S84204

VITAL STATISTICS SUMMARY

WASHINGTON STATE

1981

CENTER FOR HEALTH STATISTICS

DIVISION OF HEALTH

DEPARTMENT OF SOCIAL AND HEALTH SERVICES

MS ET-11

OLYMPIA, WA 98504

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INTRODUCTION

The 1981 Vital Statistics Annual Summary continues the practice, begun in 1980, of presenting a data analysis section along with the tabular summary of vital events. This analysis is not intended to be sophisticated or exhaustive; instead it represents an attempt to look at vital statistics data in new ways which may stimulate further analyses by those involved in health planning and program evaluation in the state. In addition, the data analysis section presents new results of data quality studies, which will be of interest to those using the data. The authors welcome any questions or comments about the material presented herein, or suggestions for future analysis.

This report contains a summary presentation, in tabular form, of the vital events which occurred during the calendar year 1981. In the interest of easy comparison, the same format of tabular presentation has been continued as was initiated in the 1968-69 edition.

New to the summary this year is Table 3 - Livebirth Inter-County Travel Patterns, a cross tabulation of residence and occurrence livebirths. This table will be included in future editions of the summary.

Population data are the official 1981 estimates for the State of Washington as prepared by the Office of Financial Management.

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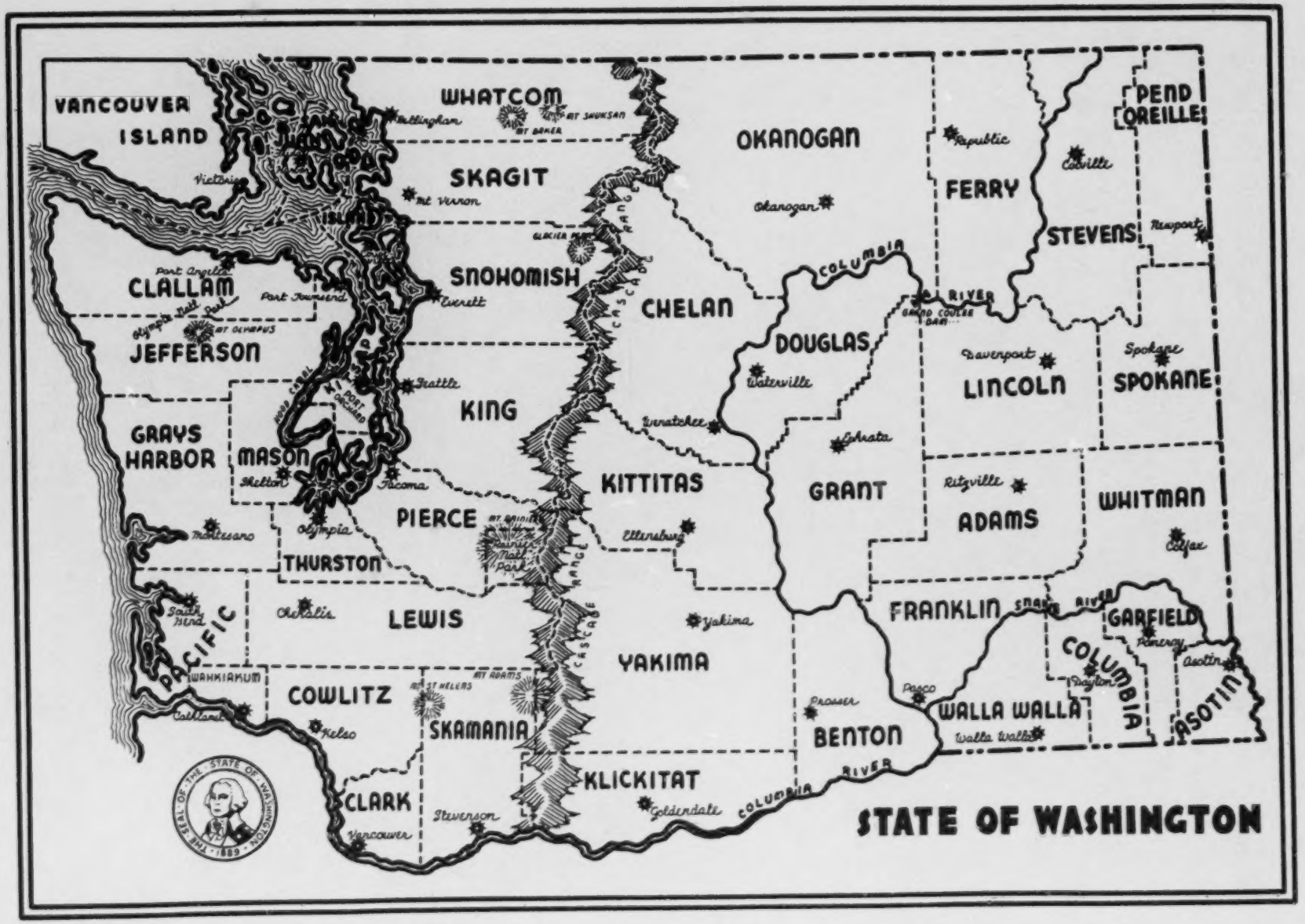
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Bellingham
MT SHUKSAN
MT BAKER
SKAGIT
Mt Vernon
OKANOGAN
Okanogan
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Colville
PEND OREILLE
STEVENS
Newport
Victoria
JUAN DE FUCA STRAIT
ISLAND
CASCADE
GLACIER PEAK
SNOHOMISH
Everett
CHELAN
COLUMBIA
RIVER
GRAND COULEE DAM
CLALLAM
Port Angeles
Port Townsend
Olympic Natl Park
MT OLYMPUS
JEFFERSON
DOUGLAS
Waterville
Davenport
LINCOLN
Spokane
SPOKANE
Seattle
KING
HOOD CANAL
PUGET SOUND
Wenatchee
GRAYS HARBOR
MASON
Shelton
Tacoma
KITTITAS
GRANT
Ephrata
Ritzville
ADAMS
WHITMAN
Colfax
PIERCE
MT RAINIER
Ellensburg
Montesano
Olympia
THURSTON
Mount Rainier Natl Park
South Bend
Chehalis
LEWIS
Yakima
FRANKLIN
SNAKE
RIVER
GARFIELD
Pomeroy
Asotin
COLUMBIA
Dayton
ASOTIN
PACIFIC
WAHKIAKUM
COWLITZ
MT ADAMS
MT ST HELENS
CASCADE
YAKIMA
Prosser
Pasco
WALLA WALLA
Walla Walla
BENTON
Cathlamet
Kelso
SKAMANIA
KLICKITAT
Goldendale
COLUMBIA RIVER
CLARK
Stevenson
Vancouver
THE SEAL OF THE STATE OF WASHINGTON
1889
STATE OF WASHINGTON

1981 IN BRIEF

BIRTH

The birth rate for 1981 remains unchanged from the 1980 rate of 16.4 per 1,000 population. Twenty years ago, in 1962, of 64,812 total births to residents, 34,225 or 52.8% were to women aged 15-24 and 9,459 (14.6%) to women 19 and younger; while in 1981, of 69,756 births, 45.6% or 31,829 were to women 15-24 and 8,278 (11.9%) were to women under 20. In these same years, to women aged 25-34, there were 24,655 births (38% in 1962) and 34,714 (49.8% in 1981). In 1962, midwives certified two births compared to 1,007 in 1980, and 1,544 in 1981. Home births have also increased in occurrence from 192 (0.3%) in 1962 to 973 (1.4%) in 1981.

DEATH

The death rate has shown a decline over the last 20 years, from 9.3 per 1,000 population in 1962 to the 1981 low of 7.5. Particular causes of death do not reflect this decrease, however. Malignant neoplasms reached a high of 177.3 in 1977 and have since decreased to 166.2 in 1981, but this far exceeds the 1962 rate of 149.7. The suicide rate shows a dramatic increase over 1980, from 13.5 per 100,000 population to 15.1 in 1981. The death rate from all accidents has declined from 56.9 in 1962 to 43.7 in 1981.

INFANT DEATH

The infant death rate continued to decline, reaching a low of 10.5 per 1,000 live births in 1981. This rate is a full 54% reduction of the death rate of 22.8 twenty years ago.

MATERNAL DEATH

Continuing at 0.1 per 1,000 livebirths, the maternal death rate is unchanged from 1980. Although the number of maternal deaths increased four-fold, from 1 to 4, the statistical relationship to livebirths remained the same.

FETAL DEATH

There were 489 fetal deaths in 1981 compared to 533 in 1980, maintaining a consistent pattern of decline in the fetal death ratio to a low of 7.0 per 1,000 livebirths.

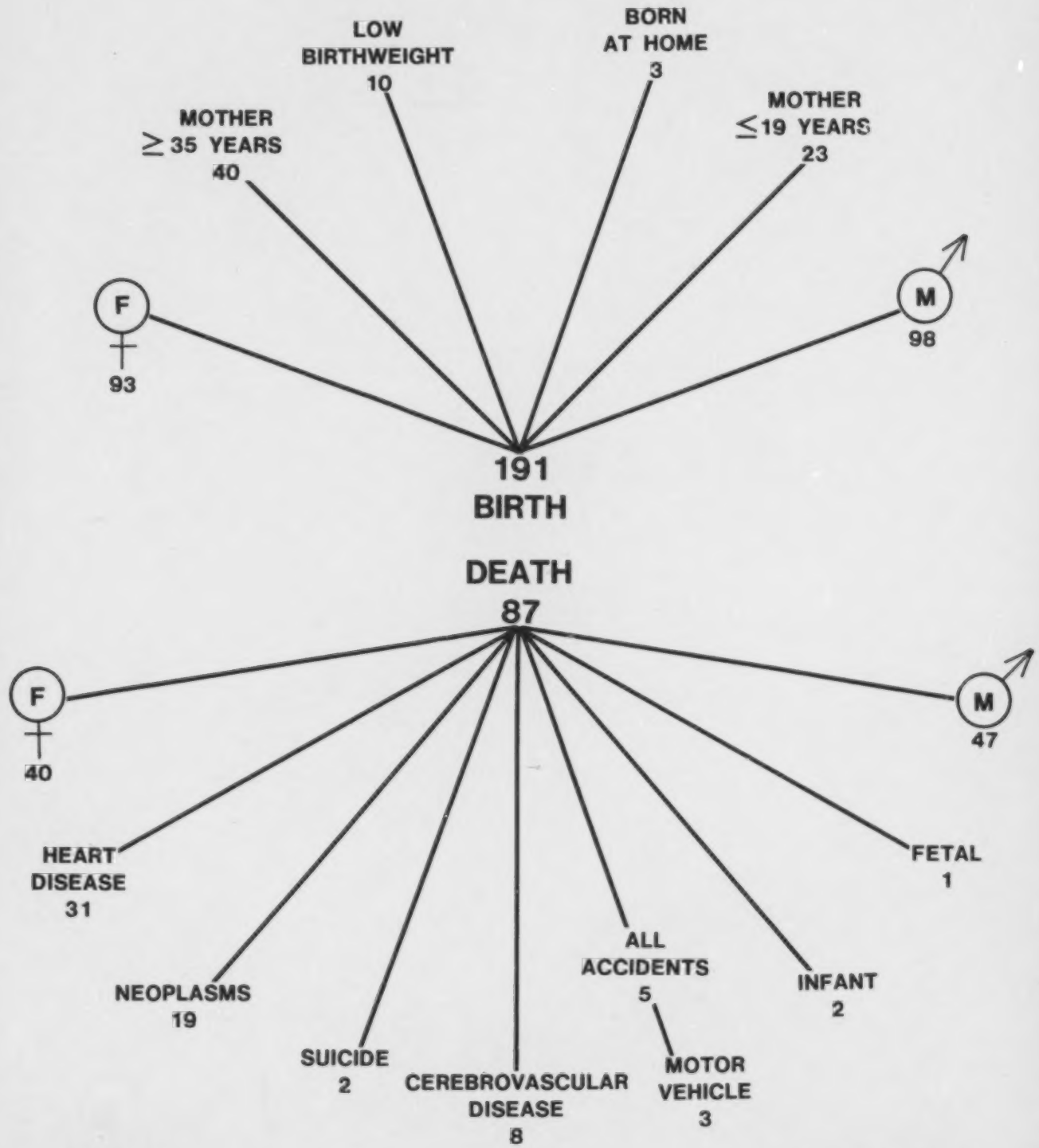
MARRIAGE

The number of marriages, 49,973, rose 4.7% from 47,728 in 1980, and 14.3% from 43,737 in 1977, five years ago. From 1980 to 1981, marriages to persons aged 10-14 increased 64.3% (from 14 to 23) and dropped 15.7% (465 to 392) for persons 70-74 years of age.

DIVORCE

Divorces totaling 29,511 rose 4.1% from 28,342 in 1980, and 11.4% from 26,483 in 1977.

DAILY EVENTS IN WASHINGTON STATE 1981



ANALYSIS

GENERAL OVERVIEW

DEATH RATES CONTINUE TO DECLINE

In 1981, Washington State residents had 69,756 births and 32,022 deaths; thus there were 2.2 births for each death. The birth rate remained at its 1980 level of 16.4 births/1,000 population, consistent with the fact that women in the childbearing years (aged 15-44) constituted 23.9 percent of the population in both 1980 and 1981.

Death rates continued to decrease, as they have for the past 40 years. Despite the fact that the proportion of the population aged 65 and older increased from 10.1 percent in 1980 to 10.5 percent in 1981, the death rate decreased by four percent, from 7.8 deaths/1,000 population in 1980 to 7.5 deaths/1,000 population in 1981. A larger change was found for fetal and infant death rates, each of which decreased by 11 percent.

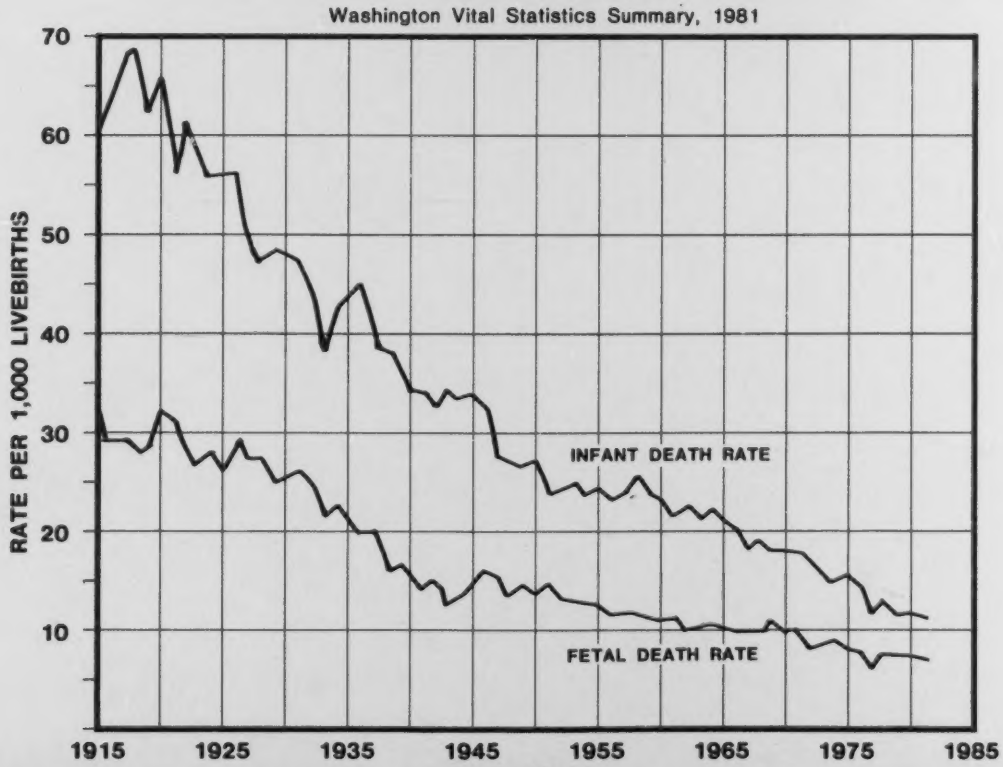
These data show that, on the average, the health of Washington's population is continually improving, at least with respect to overall mortality. Individual causes of death will be examined in more detail in the mortality section of this summary.

BIRTH and DEATH RATES
1915-1981

Washington Vital Statistics Summary, 1981

INFANT and FETAL DEATH RATES
1915-1981

Washington Vital Statistics Summary, 1981



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PRESENTED THIS YEAR--TRAVEL PATTERNS OF MOTHERS AND CONSISTENCY OF DATES

The important issue of travel by mothers to available services was addressed briefly in the 1980 Annual Summary, where data were presented in terms of inter-county travel. This year's analysis of travel patterns was approached from a different viewpoint--examining travel between cities or travel from outside a city into a city for delivery. This methodology eliminates the use of county lines as dividers when studying the state as a whole. However, because inter-county travel is important to local health department planning efforts, a table of county of residence by county of occurrence has been added to the natality tables of this summary.

The birth certificate collects data on several dates which are potentially useful to family planning and maternal and child health programs. These dates are: date of last pregnancy, last livebirth, last fetal death, and last normal menses. These dates could be used to examine, for example, spacing of pregnancies or getational age as related to maternal characteristics. For this reason, the consistency/reliability of these dates was analyzed using 1981 birth data.

THE LARGEST NUMBER OF MOTHERS TRAVELLED INTO A CITY FOR DELIVERY

In general, the availability of obstetrical services is greater in more populous areas. It is therefore not surprising that the proportion of mothers who travel for delivery is strongly dependent on size (population) of the city of residence. Nearly all (95 percent) of the mothers living outside of a city* travelled into a city for the birth, whereas very few (six percent) of the mothers living in a city of at least 100,000 population travelled to another city. If availability of services is a major determinant of travel for delivery, then the six percent figure for women in these major cities seems high. However, most of the travel was by women in two of the state's three major cities (Seattle and Tacoma) to neighboring cities and/or counties in the populous Puget Sound area. A very small proportion (0.2 percent) of the women living in the third major city, Spokane, went elsewhere, probably because of Spokane's relative isolation in the eastern part of the state. It is noteworthy that a significantly higher (but still small) proportion (four percent) of the mothers who travelled from the major cities had their babies in birthing centers.

The largest number of births is to women who travel from outside the city into a city for delivery (nearly half of the 1981 resident livebirths). The second largest group is composed of mothers who had the delivery in the city of residence (one-third of the 1981 livebirths). A small number of cases (<1 percent), graphed as "other," covered such cases as city dwellers having the baby outside of the city.

Given the relative frequency of travel for delivery, it is important to examine the characteristics and pregnancy outcome of these women in comparison with women who reside and deliver in the same area.

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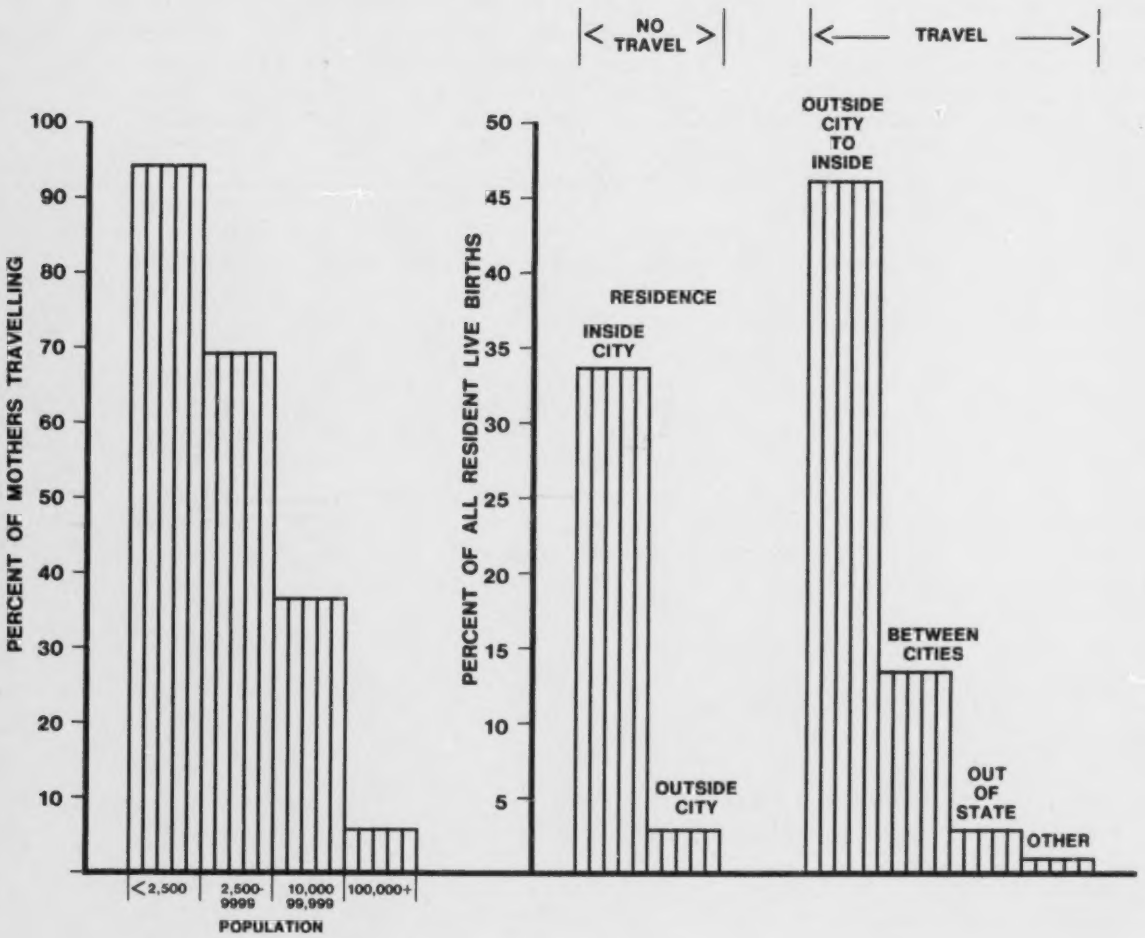
*A city is defined as having at least 2,500 population for purposes of this report.

1981 RESIDENT LIVEBIRTHS — TRAVEL FOR DELIVERY

BY CITY SIZE

DISTRIBUTION OF BIRTHS



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ARE MOTHERS WHO TRAVEL HIGHER RISK THAN THOSE WHO DO NOT?

Mothers who travel outside their city of residence for delivery may need specialized services only available elsewhere; this may be especially true for women who travel to large cities (>100,000 population). These mothers would be referred to specialized services because they are at high risk for adverse pregnancy outcome. In order to investigate this possibility, five risk factors were defined.* These risk factors have been associated with high infant mortality, complications of pregnancy, low birthweight, or malformations.** Furthermore, a mother having multiple risk factors has a significantly higher chance of having a low birthweight infant, compared to a mother having one or no risk factors.*** The analysis presented here was confined to white singleton births in order to eliminate the confounding factors of race and multiple birth. White singleton births comprised 83 percent of the 1981 resident livebirths in Washington State.

The hypothesis that mothers who travel are higher risk is not confirmed by this multiple risk factor analysis. On the average, mothers who travel are lower risk in that a higher proportion belong to no risk categories, as defined here. This pattern was found regardless of the size of the city to which the mother travelled and regardless of whether the mother lived outside or inside the city. However, as the factors used here are undoubtedly not the only ones which define high risk, the relationship between travel and outcome still needs to be examined.

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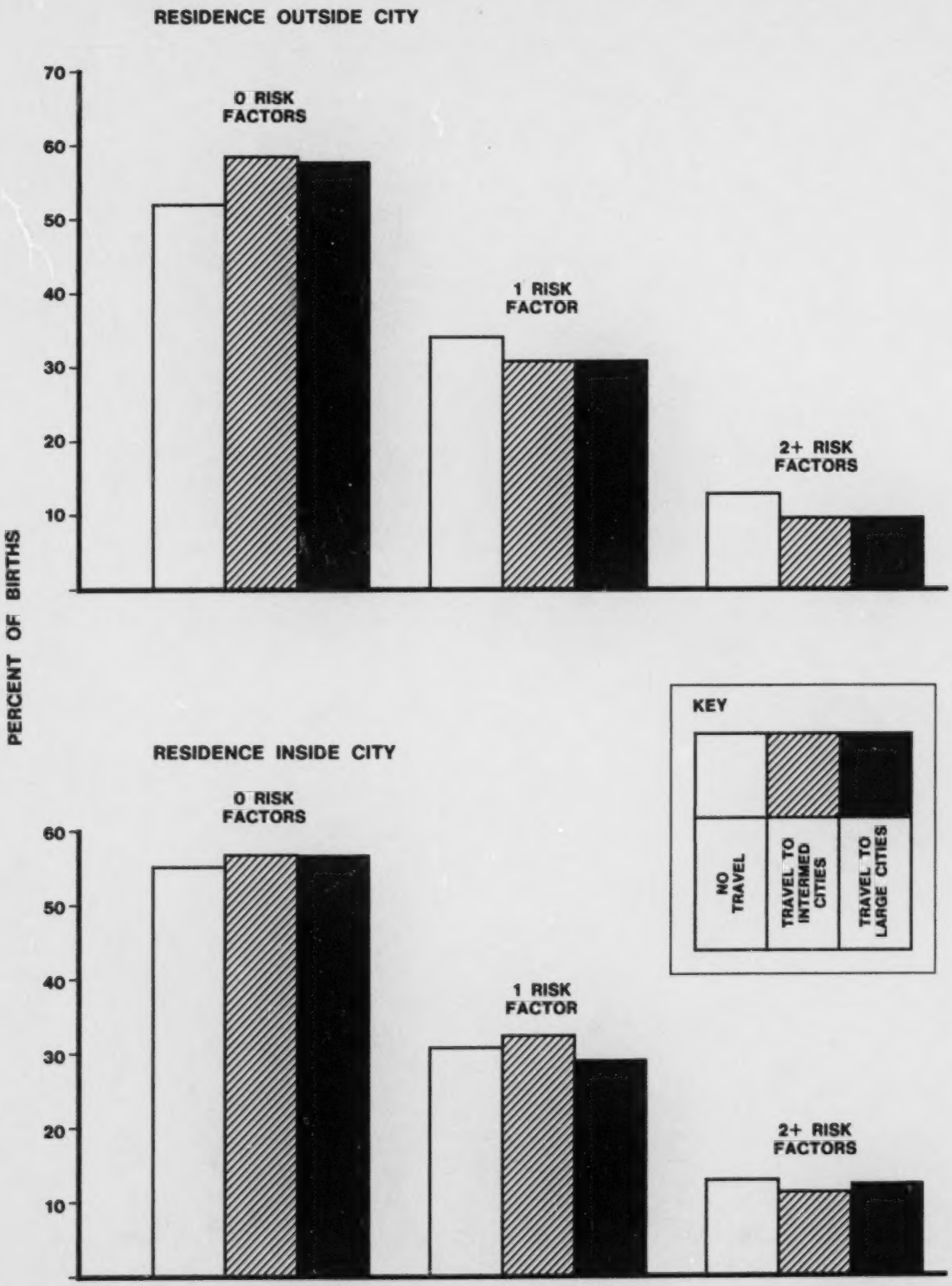
*Mothers younger than 18, unmarried mothers, mothers having previous fetal deaths, mothers having late or no prenatal care, certain age-parity combinations (older mothers having first child, younger mothers having other than first or second child).

**S. Taffel, "Factors Associated with Low Birthweight." Vital and Health Statistics Series 21, Number 37, DHEW Publication No. (PHS) 80-1915, National Center for Health Statistics, Hyattsville, Maryland, April 1980.

***1980 Washington State Vital Statistics Annual Summary, Washington State Department of Social and Health Services.

1981 WHITE SINGLETON RESIDENT LIVEBIRTHS—WASHINGTON STATE

TRAVEL FOR DELIVERY BY NUMBER OF RISK FACTORS



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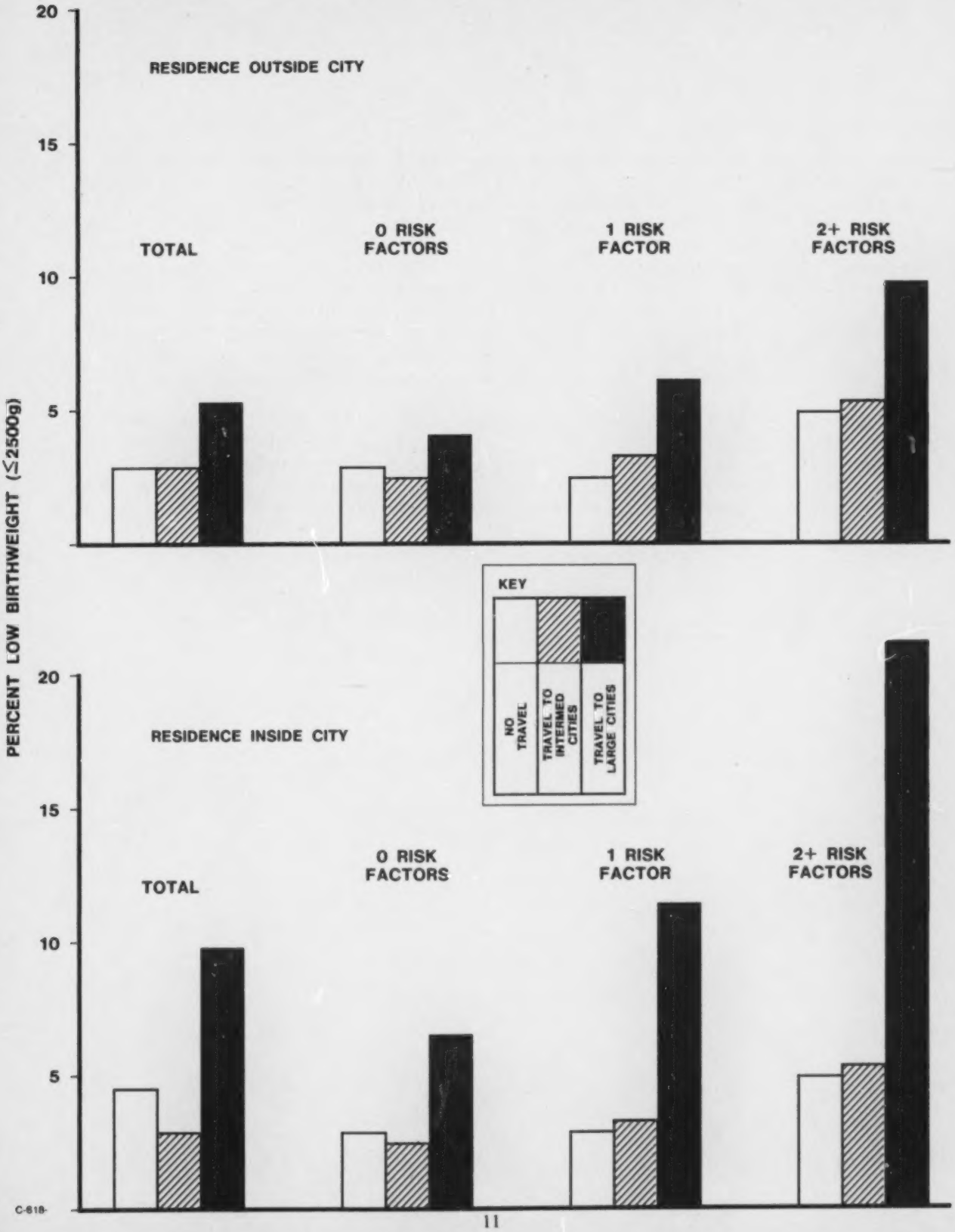
MOTHERS WHO TRAVEL TO LARGER CITIES HAVE SIGNIFICANTLY MORE LOW BIRTHWEIGHT INFANTS

There are three large cities (>100,000 population) in Washington State--Seattle, Spokane, and Tacoma. These cities have a variety of services available to assist with complicated deliveries or high-risk infants. It is therefore not unexpected that mothers who travel to these cities, either from other cities or from outside the city, have a significantly higher proportion of low birthweight infants (birthweight $\leq$ 2500 grams). A particularly high proportion of low birthweight infants was found for mothers having multiple risk factors and traveling from other cities to these large cities.

This strong relationship between birthweight and travel is remarkable in the absence of a positive relationship between travel and number of risk factors. These two patterns would be reconcilable if the low birthweight infants born to mothers who travel to large cities were relatively healthy (i.e., close to 2500 grams). In that case there would not be a substantially increased adverse outcome. However, when the distribution of very low birthweight infants ($\leq$1500 grams) is considered, a pattern similar to that described above is found. These results imply that there is some reason for many of these women to travel to a large city for delivery. Unfortunately, this reason cannot be found by studying the standard, easily measurable risk factors (e.g., age, marital status) used in many health planning and risk assessment efforts.

1981 WHITE SINGLETON RESIDENT LIVEBIRTHS—WASHINGTON STATE

TRAVEL FOR DELIVERY BY BIRTHWEIGHT AND NUMBER OF RISK FACTORS



CONSISTENCY OF DATES EXAMINED

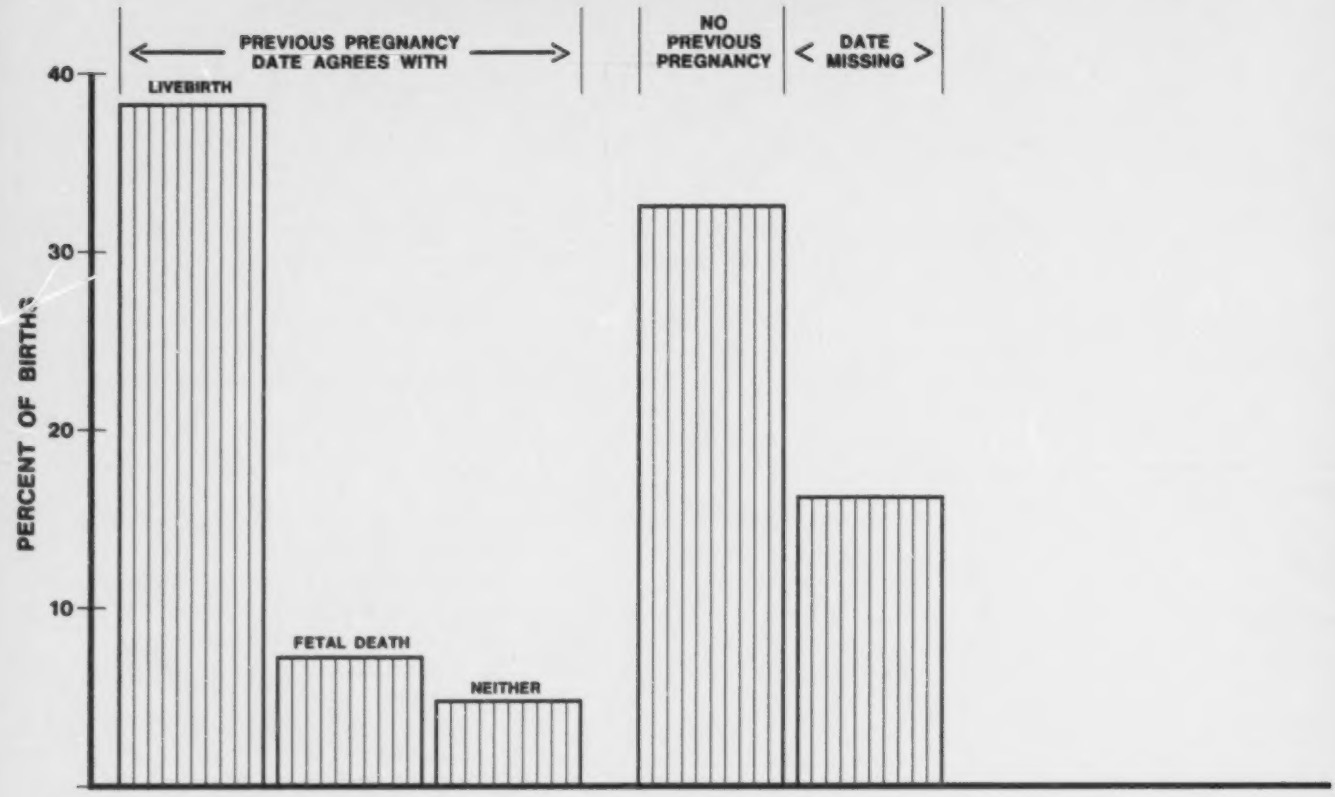
The birth certificate has three dates related to previous pregnancies: date of last pregnancy, last livebirth, and last fetal death. Approximately half (51 percent) of the 1981 mothers reported a prior pregnancy. For 91 percent of these births, the date of the last pregnancy agreed with the date of either the last livebirth or the last fetal death. The remaining nine percent (3,222 births) were probably dates of prior induced abortions, but data were not available to check this hypothesis. Nearly one-third of the mothers reported that they had not been pregnant before the current birth. These women also reported no previous livebirth or fetal death in all but 0.03 percent of the births. For the remaining 16 percent of the births, at least one of the dates was missing (month or year or both).

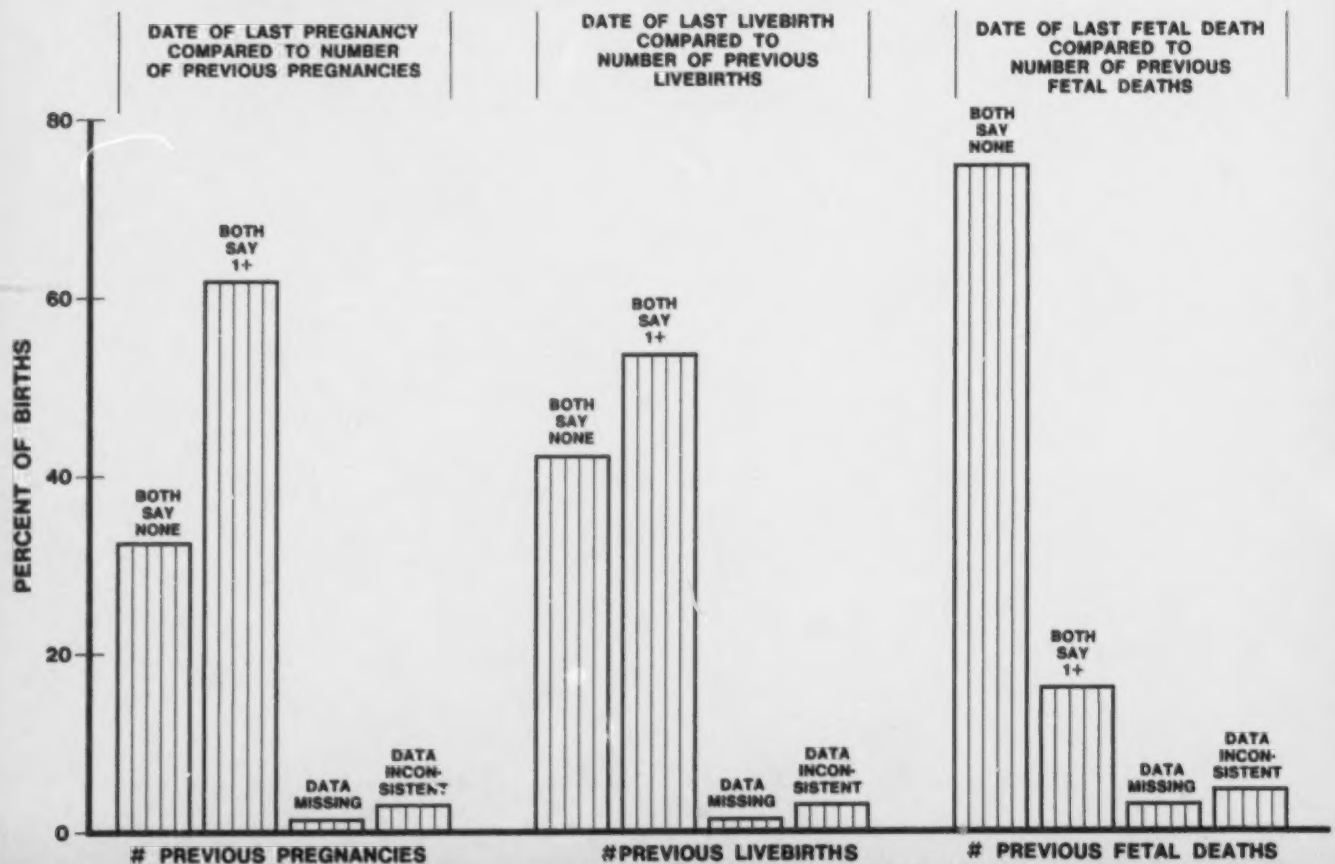
In addition to being consistent with each other, dates must be consistent with other items on the birth certificate, e.g., if the date of the last pregnancy is given, the number of previous pregnancies should be at least one. These cross-checks, applied to total pregnancies, livebirths, and fetal deaths, showed that less than five percent of the records were inconsistent for any one item. (In this analysis, a date was considered valid if the year was given, even if the month was missing).

Within a given certificate, therefore, dates and numbers of events are relatively consistent. Whether or not these items are accurate cannot be addressed by currently available data.

1981 RESIDENT LIVEBIRTHS—WASHINGTON STATE

PREVIOUS PREGNANCY DATE CONSISTENCY



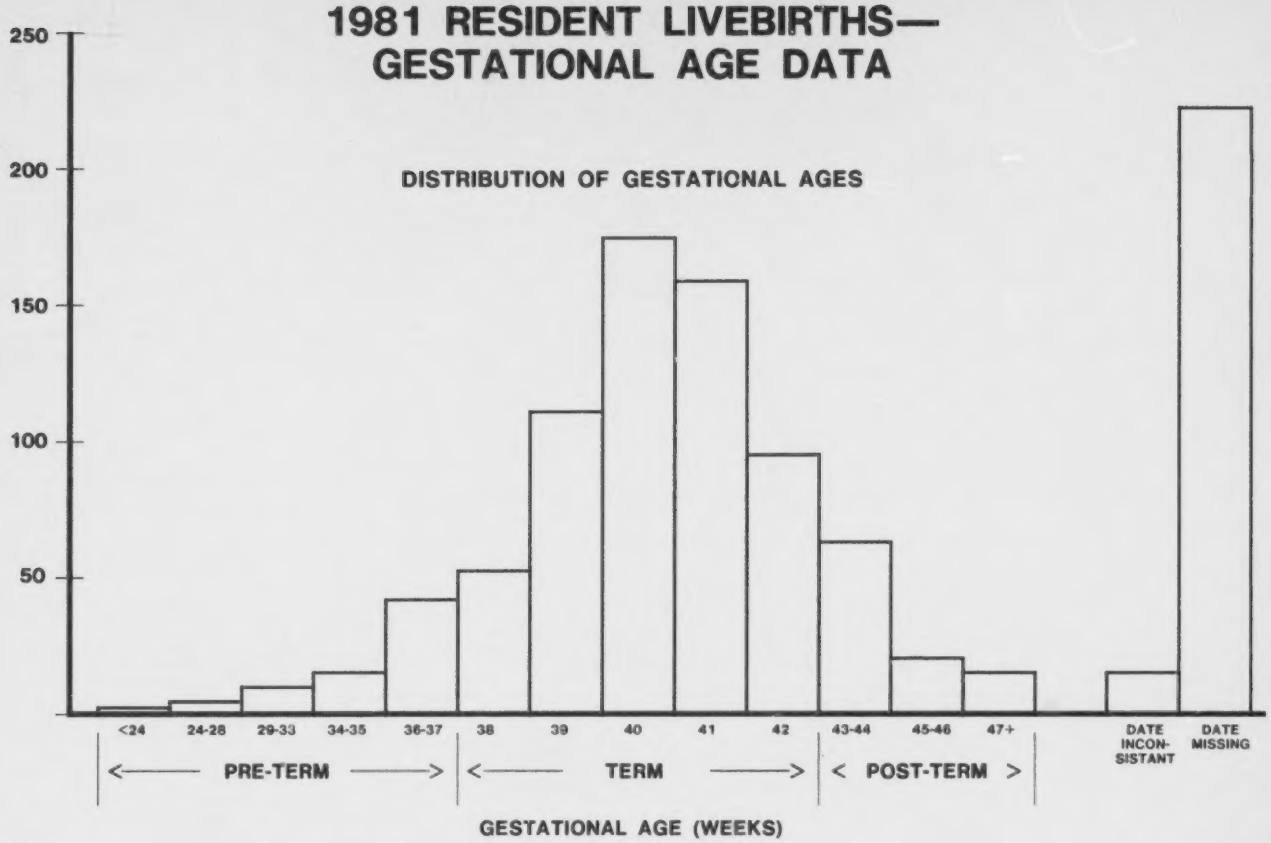


GESTATIONAL AGE CALCULATION REVEALS PROBLEM AREAS

Along with birthweight, gestational age is an important predictor of infant health. In fact, the two data items are strongly related to each other, with birthweight often being used for a rough approximation of gestational age. In 1981, most (78 percent) of the livebirths with a calculable gestational age were full-term (38-42 weeks). The distribution of gestational ages was skewed towards post-term infants, with nine percent being pre-term and 13 percent being post-term.

Comparison of gestational age with birthweight revealed that approximately one-quarter of the gestational ages were unreliable (inconsistent with birthweight, inconsistent or missing date of last normal menses). Of particular concern are the 15,617 births where date of last normal menses was missing. Most (91 percent) of these births had the month and year present, but the day was missing. These births showed a significantly larger proportion of low birthweight infants (6.6 percent, as compared to 4.9 percent for other births). These problems suggest that the data should not be used for any detailed planning purposes.

1981 RESIDENT LIVEBIRTHS— GESTATIONAL AGE DATA



GESTATIONAL AGE BY BIRTHWEIGHT

(SHADED AREAS REPRESENT POSSIBLE DATA PROBLEMS)

GESTATIONAL AGE (WEEKS)	BIRTHWEIGHT		TOTAL
	LOW***	NORMAL	
<34	683	307	990
34-37	931	3056	3987
38 +	992	47389	48381
INCONSISTENT*	35	746	781
MISSING**	1024	14593	15617
TOTAL	3665	66091	69756

*BIRTH DATE EARLIER THAN DATE OF LAST NORMAL MENSES

**DATE OF LAST NORMAL MENSES MISSING

***LOW BIRTHWEIGHT = ≤ 2500 GRAMS

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FURTHER ANALYSIS OF TRAVEL PATTERNS INDICATED

The most significant finding from this 1981 birth data analysis was that women travelling to large cities for delivery had substantially increased frequencies of low birthweight infants, but were not especially high-risk according to readily measurable characteristics. Birth certificate data should be examined in more detail to determine if some indication of a potential problem exists for these women. Of particular interest are medical conditions of the mother (either related or not related to the pregnancy) or other indications such as the performance of amniocentesis. The health of these infants, as revealed by their APGAR score and by infant mortality rates, should also be studied.

In view of the large number of inconsistent or missing gestational ages, problems with this item should also be investigated in more detail, with the aim of improving the data.

PRESENTED THIS YEAR--YEARS OF LIFE LOST AND SELECTED DEATH RATES

Examination of cause-specific death rates has been used to determine where disease surveillance and intervention efforts should be placed. This procedure weights each death equally. An alternative method is to determine the years of life lost for each cause *. Using methodology presented by the Center for Disease Control,** it is assumed that each person should live to be 75 years of age; each year of age at death younger than 75 therefore represents one year of life lost. For example, a person dying at age 50 has lost 25 years of life. This procedure gives greater weight to causes (such as accidents) where people die relatively young; it may be useful for making decisions about the allocation of limited health care resources.

Trend data are also presented for causes in which there was a substantial change in the death rate between 1980 and 1981. Monitoring of these causes is necessary to avoid overlooking a potential health hazard (or a reduction in a health hazard).

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*This analysis was suggested by researchers at the Office of Epidemiology, State of Washington Department of Social and Health Services.

**"Ten Leading Causes of Death in the United States, 1975". Center for Disease Control, Bureau of State Services, Health Analysis and Planning for Preventive Services, Atlanta, Georgia 30333.

IN 1981, WASHINGTON STATE RESIDENTS LOST 344,485 YEARS OF LIFE DUE TO "PREMATURE" DEATH

The 344,485 years lost in 1981 represents, on the average, 10.8 years lost for each death. Because different causes affect different age groups, the cause of death plays a large role in determining the number of years lost. For example, deaths due to circulatory system diseases account for nearly half (47.5 percent) of the 1981 resident deaths, but only 21 percent of the years of life lost. On the other hand, deaths due to injury and poisoning account for less than 10 percent of the deaths, but 29 percent of the years of life lost. Obviously, infant deaths have the greatest relative number of years lost; this fact is implicitly recognized by the importance given to reducing infant mortality rates.

On the average, a female death results in fewer years lost (8.4, as compared to 12.8 years for a male death). The distribution of years lost by cause is also different for men and women; in terms of numbers, the most important cause is neoplasms for women and injury and poisoning for men.

Each of these cause of death categories is too broad to be useful for surveillance and intervention programs; more specific categories need to be examined, especially for the three leading causes (injury and poisoning, circulatory system disorders, and neoplasm), which account for 70 percent of the years of life lost.

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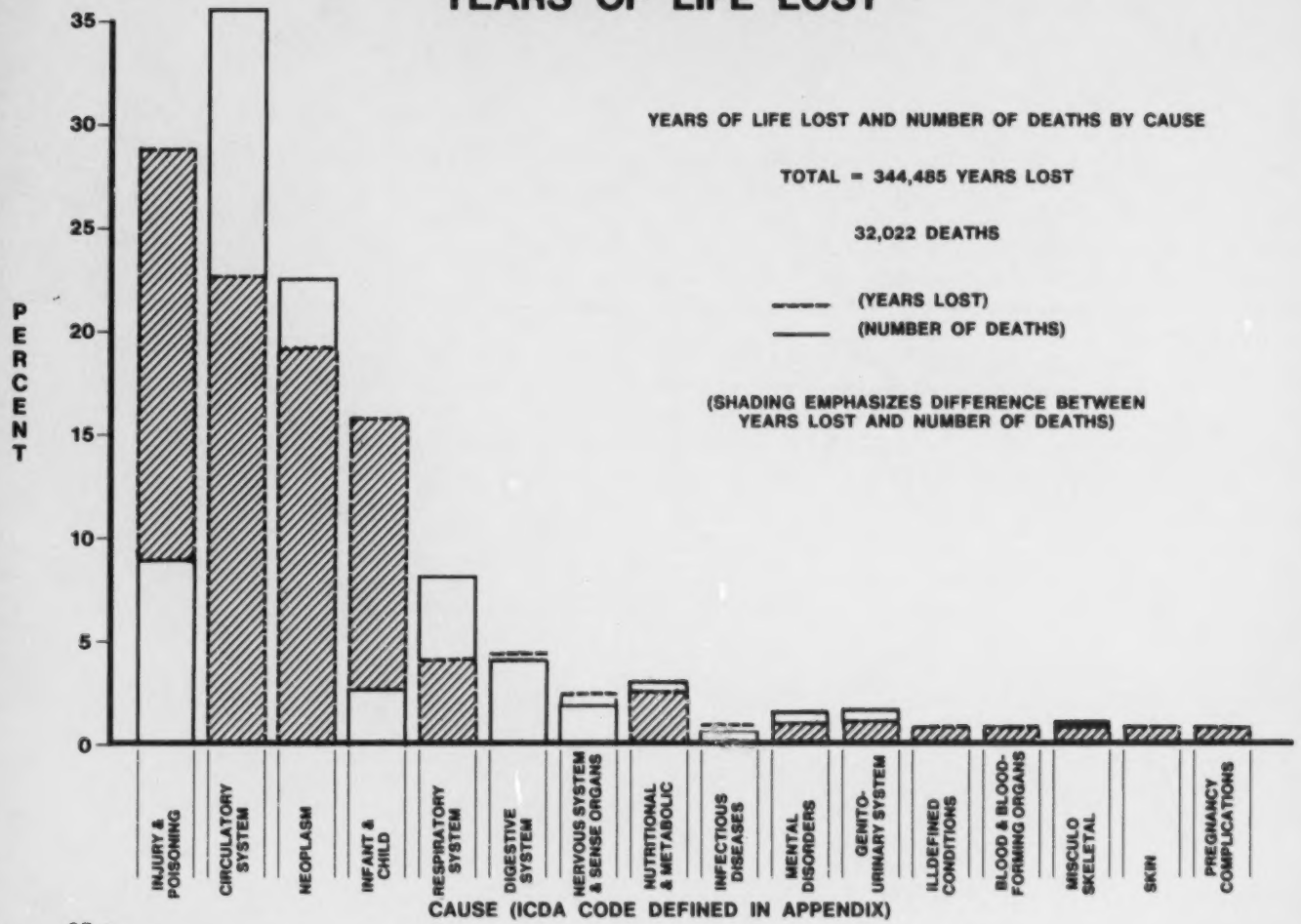
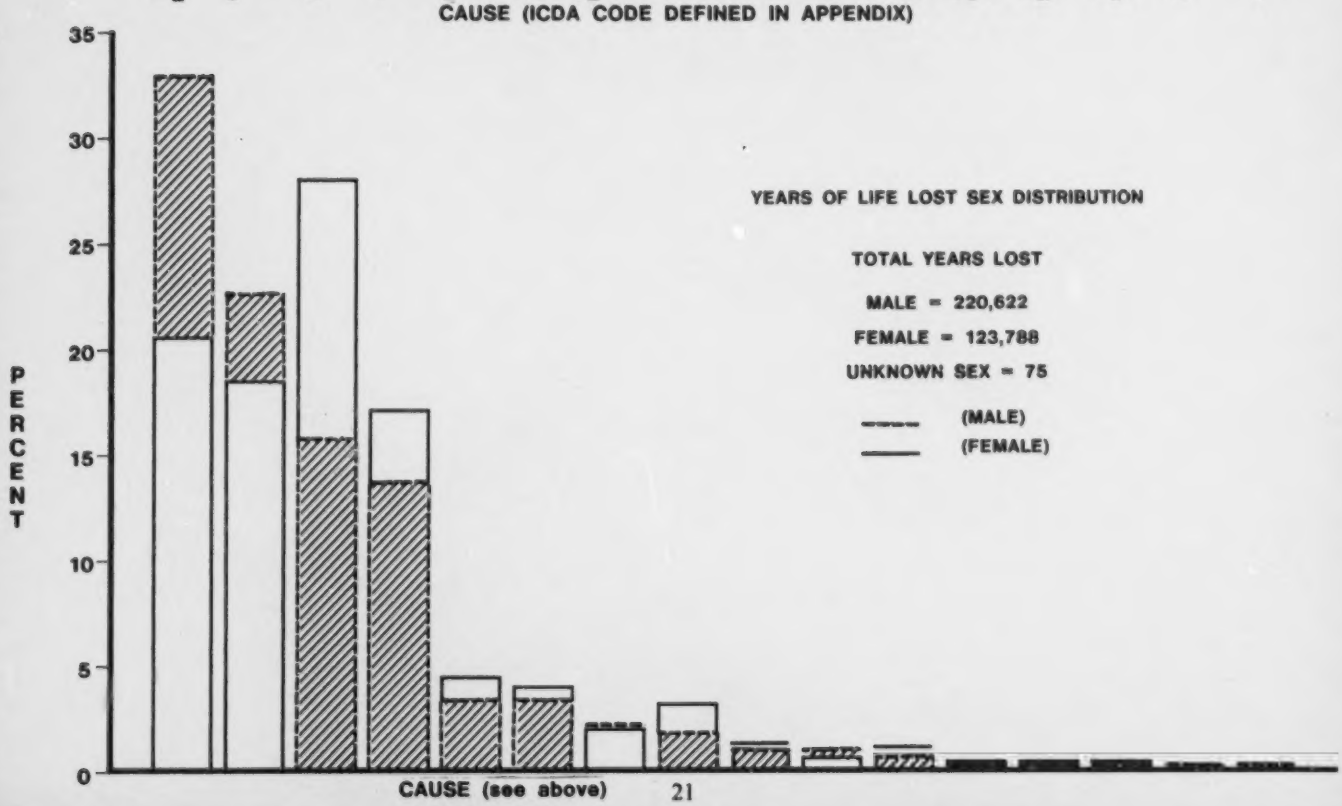
*A detailed table showing the distributions of deaths and years of life lost for various causes is given in the Appendix. ICDA codes for the various causes are also listed on this table.

1981 RESIDENT DEATHS
YEARS OF LIFE LOST





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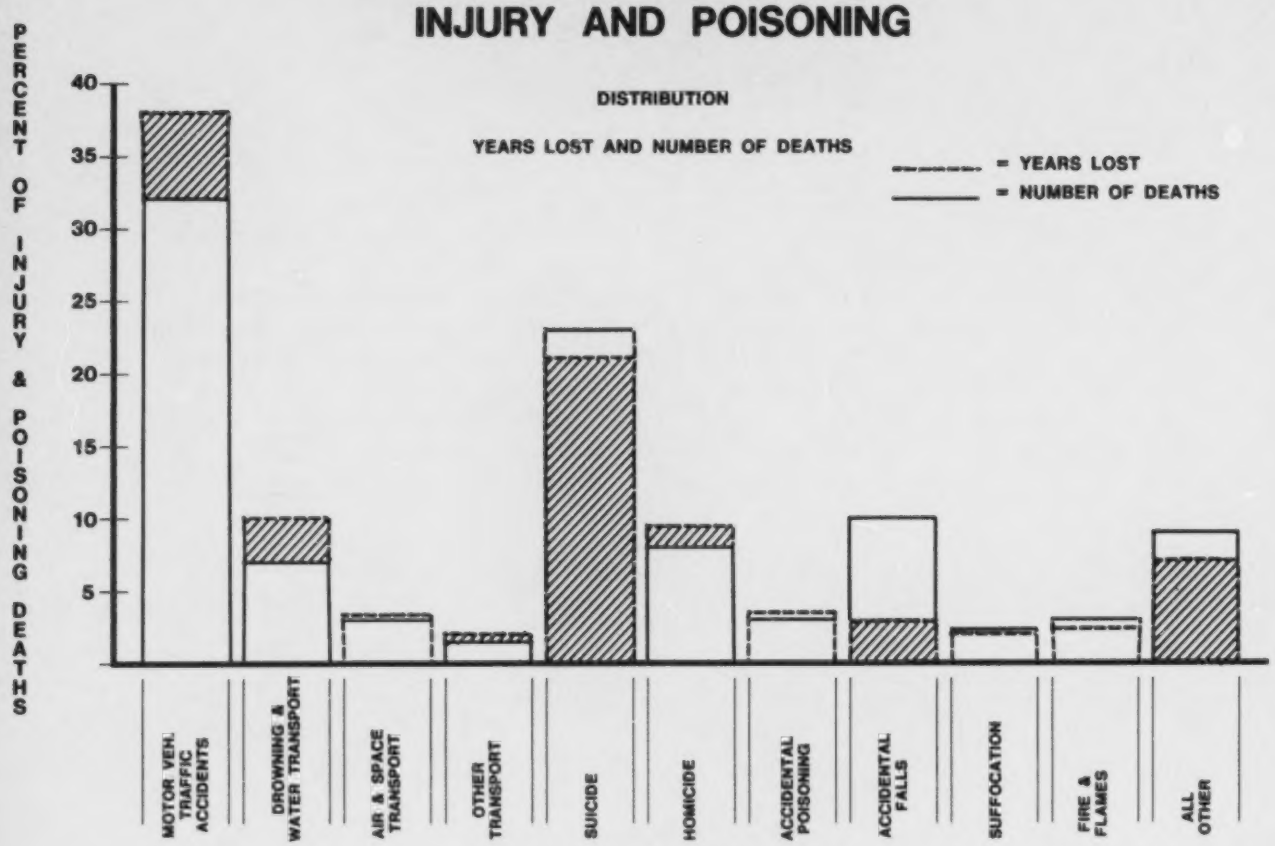
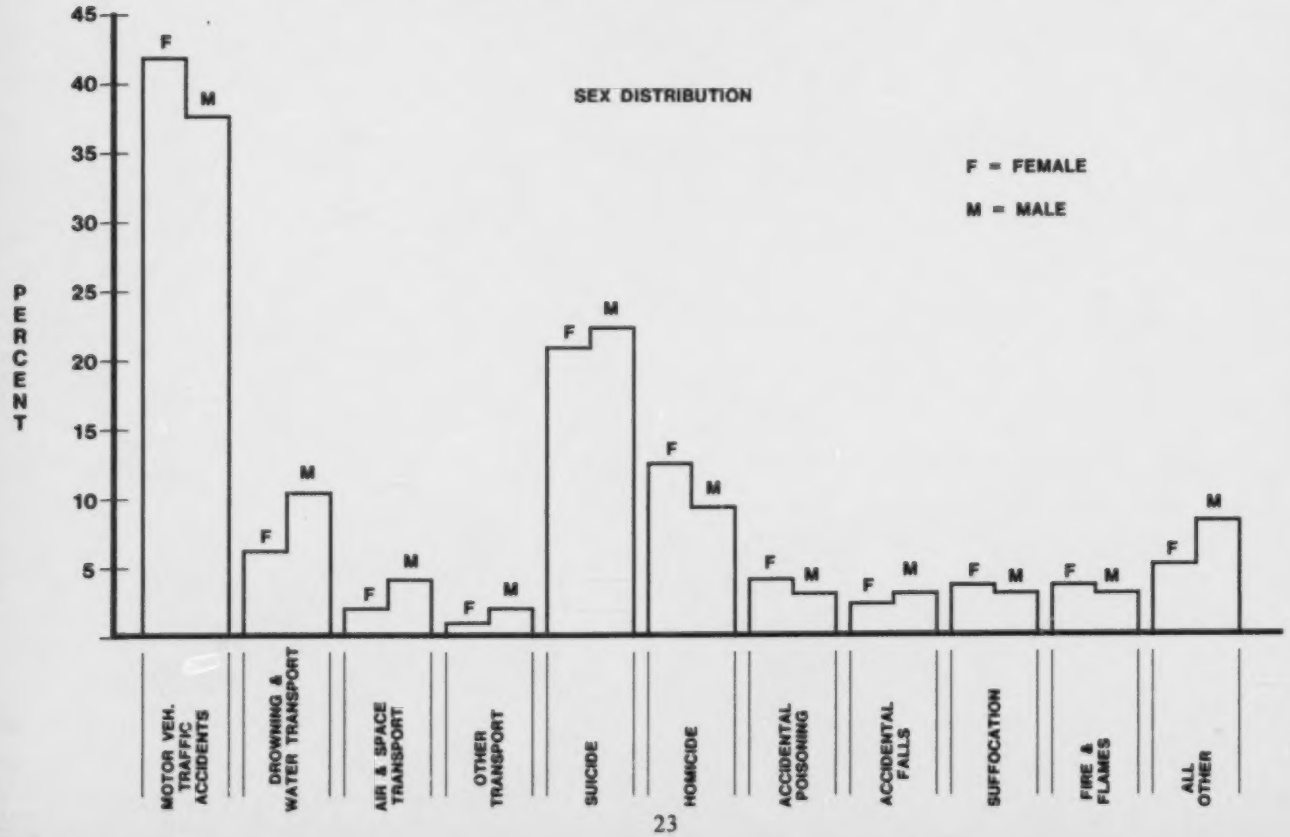
MOTOR VEHICLE TRAFFIC ACCIDENTS AND SUICIDE ARE LARGEST CONTRIBUTORS TO INJURY AND POISONING DEATHS

As a group, injury and poisoning deaths are the largest cause of years lost for men and the second largest cause for women.

More than half of the years of life lost (and deaths) in this classification are due to motor vehicle traffic accidents or suicide. Even though there were less than 2,000 deaths from these two causes in 1981, the number of years lost was nearly the same as the number of years lost from the 11,287 heart disease deaths.

1981 RESIDENT DEATHS — INJURY AND POISONING



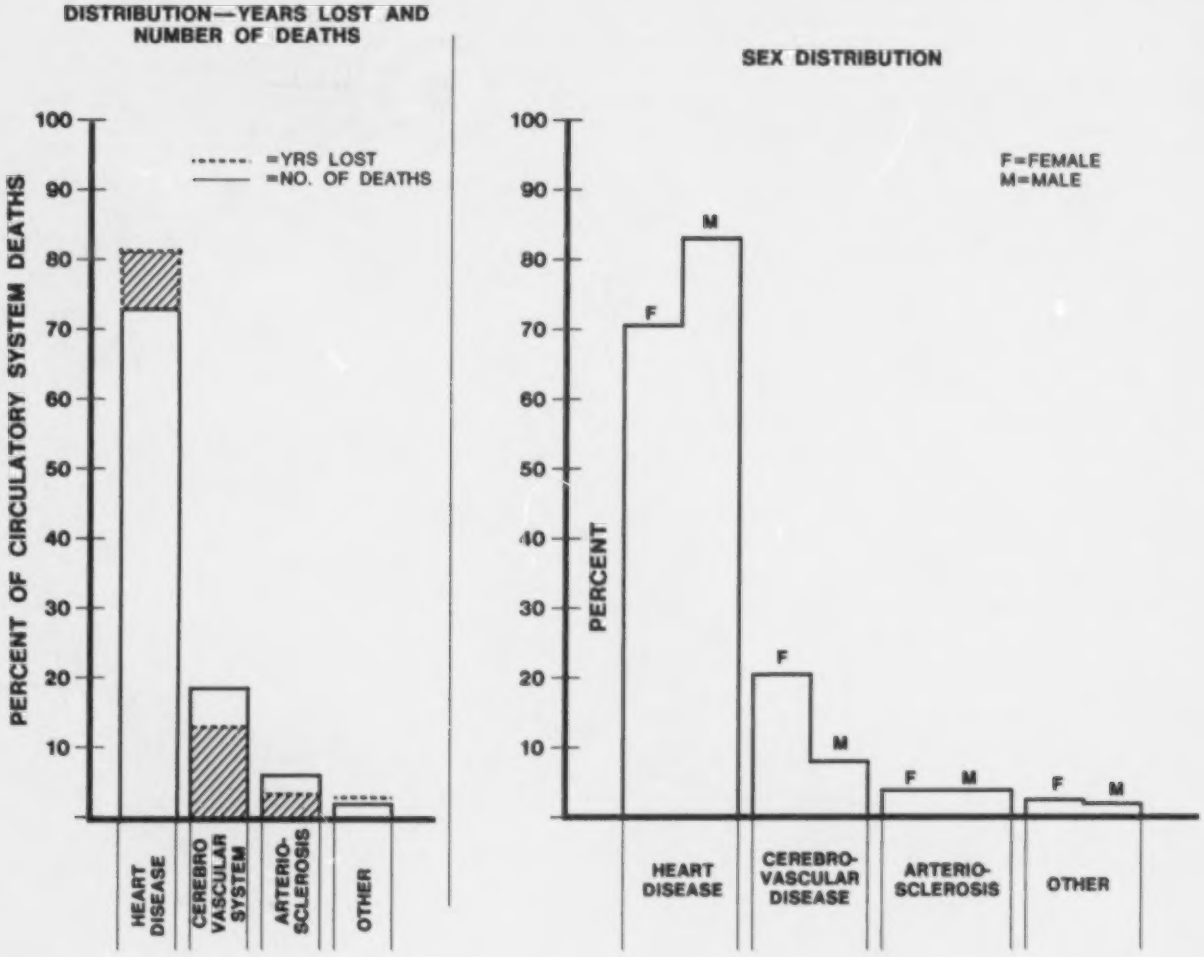


H-618-

HEART DISEASE STILL NUMBER ONE

Most of the deaths from circulatory system diseases are due to heart disease. Although the total number of years lost is greater for other groups than for circulatory system diseases, heart disease deaths are still the largest single cause of years of life lost, primarily because of the large number of heart disease deaths. On the average, the number of years lost per death (5.3) is small, compared to the number of years lost for a death from injury or poisoning (35.6) or malignant neoplasm (9.6).

1981 RESIDENT DEATHS—
CIRCULATORY SYSTEM



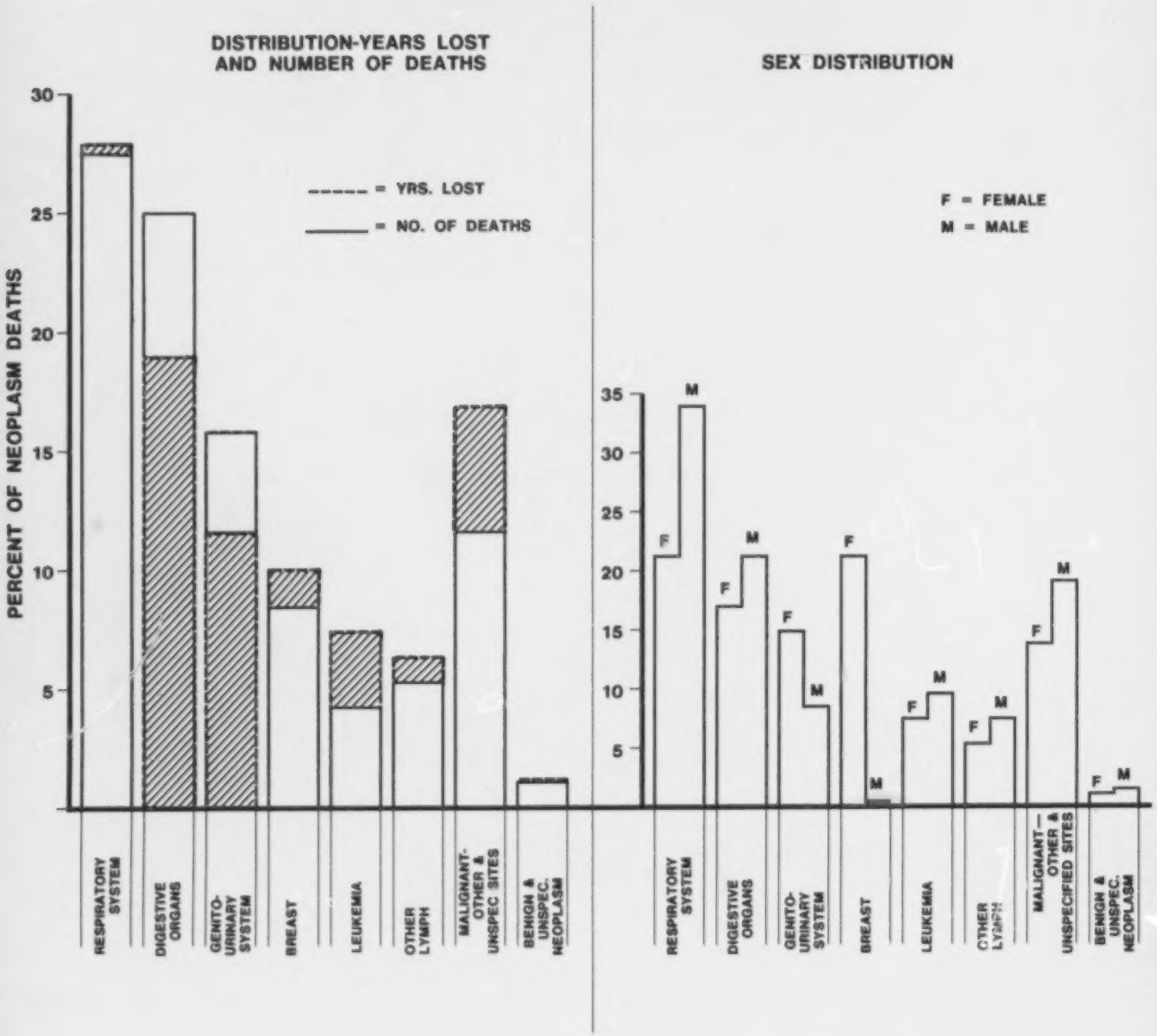
MORTALITY

LARGE RELATIVE NUMBER OF FEMALE LIVES LOST FROM MALIGNANT NEOPLASM

As a group, neoplasms (cancer) are the leading cause of years of life lost for women, but are only the third most important cause for men. There is no difference between women and men in terms of the average number of years lost per cancer death (9.7 for women and 9.5 for men). The relative importance of cancer in the distribution of years lost for women thus appears to be a result of lower numbers of deaths and years lost from other causes.

As expected, breast cancer is a relatively important cause of years lost for women; however, among cancer deaths it is a close second to cancer of the respiratory and interthoracic organs. In fact, if deaths from breast cancer were eliminated, malignant neoplasms would still be the leading cause of years lost for women.

1981 RESIDENT DEATHS — NEOPLASM (CANCER)



J-619-

MORTALITY

LARGE CHANGE IN MOTOR VEHICLE ACCIDENT AND SUICIDE DEATH RATES

In 1981, as in the past, heart disease, cancer, and cerebrovascular disease were the three leading causes of death among Washington State residents. Death rates from these causes decreased slightly between 1980 and 1981, a continuation of the trend seen over the past decade for heart disease and cerebrovascular disease and over the past four years for cancer.*

Accident death rates decreased by 10.5 percent between 1980 and 1981, mostly because of the reduction in deaths due to motor vehicle accidents (18.3 percent decrease). Between 1979 and 1980, motor vehicle accident death rates also decreased (by 8.7 percent), for a net decrease of 27.0 percent over the past two years. One reason for this substantial decrease may be that people are driving less due to high gasoline prices and bad economic conditions. However, this explanation would not account for the fact that, for Washington State, the death rate per 100,000,000 vehicle mile also decreased, from 3.4 in 1980 to 3.0 in 1981.**

Of great concern is the 11.9 percent increase in the suicide rate between 1980 and 1981. This increase reverses the pattern, begun in 1974, of steadily declining suicide rates in Washington State. The high unemployment rates in the Northwest could have contributed to this increased rate. In contrast, the U.S. rates*** decreased between 1980 and 1981 for all but the youngest age groups (15-34).

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*1970-80 death rates for Washington and the U.S. were graphed in the 1980 Vital Statistics Annual Summary.

**Accident Facts: 1982 Edition (Published by National Safety Council, 444 North Michigan Avenue, Chicago, Illinois 60011).

***Annual Summary of Births, Deaths, Marriages, and Divorces: United States, 1981. NCHS Monthly Vital Statistics Report, Vol. 30, No. 13, December 20, 1982.

CHANGES IN DEATH RATES — 1980–81

WASHINGTON STATE RESIDENT DEATHS

CAUSE OF DEATH	RATE (DEATHS/100,000 POP.) 1980	1981	CHANGE (%)	CHANGE IN U.S. RATE (%)
HEART DISEASE	273.5	265.6	-2.9	-1.6
CANCER	169.2	166.2	-1.8	+1.0
CEREBROVASCULAR DISEASE	68.9	66.8	-3.0	-4.4
ACCIDENTS				
MOTOR VEHICLE	26.2	21.4	-18.3	-4.6
OTHER	22.6	22.3	-1.3	-5.7
SUICIDE — OVERALL	13.5	15.1	+11.9	-1.6
— BY AGE				
15-24	15.6	14.1	-9.6	+4.0
25-34	20.1	20.8	+3.5	+3.7
35-44	15.5	20.6	+32.9	-9.0
45-54	15.6	19.4	+24.4	-4.1
55-64	15.4	21.3	+38.3	-11.8
65-74	21.4	22.0	+2.8	-5.9
75+	22.3	23.7	+6.3	-3.9

MORTALITY

OUTCOME OF YEARS OF LIFE LOST AND DEATH RATE ANALYSES

Studying years of life lost in conjunction with the number of deaths reveals three causes of death which have a large impact on the state's mortality and consequently where intervention strategies would be desirable.

1. Accidental and suicide deaths, where people die relatively young, but the overall number of deaths is small. In this case, preventing a few deaths results in a relatively large decrease in the number of years of life lost. Since lifestyle contributes to the majority* of accidental and suicide deaths, emphasis should be placed on lifestyle changes, possibly through education and/or counseling.

2. Heart disease deaths, where the mean age at death is fairly old, but the total number of deaths is large. In this case, extending the average life span of heart disease patients, either through medication or lifestyle changes, would result in a large number of years of life saved.

3. Cancer, which presents a pattern intermediate between the two. Lifestyle, environment, and biology contribute almost equally to cancer deaths.* In this case, it is difficult to devise a single intervention strategy, as 'cancer' is such a multi-faceted entity.

It must be emphasized that the years of life lost concept is only one way of looking at mortality data. While ways can be found to minimize the number of years of life lost, the available data cannot describe the quality of the years that are saved.

In terms of cause-specific death rates, the most significant finding in 1981 was the high suicide rate. Given that Washington State has generally had higher suicide rates than the U.S. as a whole, the large increase in Washington's suicide rate is cause for concern, particularly if the rate remains high in subsequent years. Age-specific data point to a particular problem in the 35-64 year age groups.

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*"Ten Leading Causes of Death in the United States, 1975," Center for Disease Control, Bureau of State Services, Health Analysis and Planning for Preventive Services, Atlanta, Georgia 30333.

APPENDIX TABLE

YEARS OF LIFE LOST--BY CAUSE AND SEX
1981 Resident deaths, Washington State

CAUSE (ICDA Code, Ninth Revision)		Number of Deaths	Years of Life Lost Total	Female	Male
*External causes--injury and poisoning	TOTAL	2,784	99,003	25,299	73,704
Motor vehicle traffic accident	(810-819,9290)	893	37,163	10,851	26,312
Drowning and water transport	(830-838,910)	199	9,402	1,383	8,019
Air and space transport	(840-845)	85	3,020	444	2,576
Other transport	(800-807,820-829)	36	1,608	183	1,425
Suicide	(950-959)	643	21,049	5,073	15,976
Homicide	(860-969)	229	9,276	2,976	6,300
Accidental Poisoning	(850-869,9292)	79	2,899	938	1,961
Accidental falls	(880-888,9293)	266	2,869	569	2,300
Suffocation	(911-915)	61	2,080	831	1,249
Fire and Flames	(890-899,9294)	66	1,932	797	1,135
All other	(residual 800-999)	227	7,705	1,254	6,451
*Diseases of the Circulatory System	TOTAL	15,226	72,682	22,618	50,064
Heart Disease	(390-400,402,404-429)	11,287	59,278	16,281	42,997
Cerebrovascular disease	(430-438)	2,841	9,678	5,021	4,657
Disease of arteries	(440-448)	892	2,338	759	1,579
All other	(residual 390-459)	206	1,388	557	831
*Neoplasm	TOTAL	7,149	68,538	32,594	35,944
Malignant					
Respiratory and interthoracic	(160-165)	2,001	19,347	6,875	12,472
Digestive org. & peritoneum	(150-159)	1,799	13,139	5,466	7,673
Genitourinary organs	(179-189)	1,139	7,889	4,706	3,183
Breast	(174,175)	588	6,780	6,751	29
Leukemia	(204-208)	298	5,038	2,120	2,918
Other lymphatic & hematopoietic	(200-203)	381	4,140	1,708	2,432
Other & unspec. sites	(residual 140-199)	857	11,398	4,628	6,770
Benign and Unspecified	(210-239)	86	807	340	467

APPENDIX TABLE (Cont.)

CAUSE (ICDA Code)			Number of Deaths	Years of Life Lost Total	Female	Male
*Conditions primarily affecting infants and children		TOTAL	731	52,352[a]	21,541	30,736
Congenital anomalies	(740-759)		261	17,156[a]	7,627	9,454
Conditions orig. in perinatal per.	(760-779)		312	23,346	9,789	13,557
Sudden infant death syndrome	(798.0)		158	11,850	4,125	7,725
*Diseases of the Respiratory System		TOTAL	2,501	13,846	5,672	8,174
Influenza-pneumonia	(480-483,485-487)		909	4,114	1,723	2,391
Bronchitis, emphysema, asthma	(466, 490-493)		447	2,964	1,325	1,639
Chronic airway obstruction	(496)		853	4,034	1,266	2,768
All other	(residual 460-519)		292	2,734	1,358	1,376
*Diseases of the digestive system		TOTAL	1,260	13,292	5,293	7,999
Cirrhosis of the liver	(571)		479	7,909	3,206	4,703
All other	(residual 520-579)		781	5,383	2,087	3,296
*Diseases of the nervous system and sense organs (320-389)			450	6,811	2,437	4,374
*Endocrine, nutritional, and metabolic		TOTAL	748	6,754	3,159	3,595
Diabetes	(250)		572	4,873	2,222	2,651
All other	(residual 240-279)		176	1,881	937	944
*Infectious and parasitic diseases (001-139)			213	2,899	1,245	1,654

[a]Includes 75 years of life lost where sex was unknown

APPENDIX TABLE (Cont.)

CAUSE (ICDA Code)	Number of Deaths	Years of Life Lost		
		Total	Female	Male
*Mental disorders TOTAL	299	2,384	911	1,473
Alcoholism (303)	105	1,754	621	1,133
All other (residual 290-319)	194	630	290	340
*Diseases of the genitourinary system (580-629)	358	2,064	982	1,082
*Symptoms and ill-defined conditions (780-799, except 798.0)	85	1,508	604	904
*Diseases of the blood and blood-forming organs (280-289)	95	1,234	583	651
*Diseases of the musculoskeletal system and connective tissue (710-739)	92	716	488	228
*Diseases of the skin and subcutaneous tissue (680-709)	26	217	177	40
*Complications of pregnancy, childbirth, and the puerperium (630-676)	4	185	185	0
GRAND TOTAL	32,022	344,485[a]	123,788	220,622

[a]Includes 75 years of life lost where sex was unknown

TABLE 1

SUMMARY OF THE NUMBER OF LIVEBIRTHS, DEATHS, DEATHS OF INFANTS UNDER ONE YEAR OF AGE, MATERNAL DEATHS, AND FETAL DEATHS, WITH RATES
STATE OF WASHINGTON, 1920 - 1981

		Livebirths		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
Year	Population	Number	Rate*	Number	Rate*	Number	Rate**	Number	Rate***	Number	Ratio**
1920	1,367,000	27,072	19.8	15,164	11.1	1,797	66.4	249	92.0	888	32.8
1921	1,385,700	27,267	19.7	13,254	9.6	1,512	55.5	192	70.4	852	31.2
1922	1,407,100	25,378	18.0	14,249	10.1	1,566	61.7	190	74.9	731	28.8
1923	1,427,300	25,259	17.7	13,856	9.7	1,428	56.5	159	62.9	680	26.9
1924	1,447,200	25,378	17.5	14,580	10.1	1,426	56.2	167	65.8	711	28.0
1925	1,467,600	24,741	16.9	15,280	10.4	1,395	56.4	140	56.6	667	27.0
1926	1,487,600	23,989	16.1	15,670	10.5	1,352	56.4	174	72.5	719	30.0
1927	1,507,800	23,315	15.5	15,950	10.6	1,162	49.8	151	64.8	650	27.9
1928	1,528,200	23,161	15.2	16,723	10.9	1,115	48.1	175	75.6	641	27.7
1929	1,548,400	22,685	14.7	16,413	10.6	1,110	48.9	150	66.1	572	25.2
1930	1,568,000	23,019	14.7	16,678	10.6	1,122	48.7	148	64.3	601	26.1
1931	1,585,000	22,028	13.9	16,524	10.4	1,064	48.3	141	64.0	591	26.8
1932	1,602,500	21,379	13.3	16,581	10.3	967	45.2	139	65.0	530	24.8
1933	1,619,700	20,882	12.9	16,705	10.3	811	38.8	140	67.0	446	21.4
1934	1,636,900	22,484	13.7	17,456	10.7	968	43.1	105	46.7	520	23.1
1935	1,654,000	22,378	13.5	18,046	10.9	998	44.6	120	53.6	469	21.0
1936	1,671,400	23,354	14.0	19,057	11.4	1,064	45.6	115	49.2	468	20.0
1937	1,689,100	24,882	14.7	18,771	11.1	978	39.3	118	47.4	495	19.9
1938	1,706,000	26,702	15.7	18,514	10.9	1,035	38.8	94	35.2	440	16.5
1939	1,723,400	26,471	15.4	18,528	10.8	977	36.9	97	36.6	450	17.0
1940	1,752,400	27,952	16.0	19,837	11.3	969	34.7	89	31.8	459	16.4
1941	1,816,700	30,916	17.0	19,359	10.7	1,065	34.4	66	21.3	445	14.4
1942	1,880,700	38,744	20.6	20,190	10.7	1,278	33.0	78	20.1	606	15.6
1943	1,945,000	44,258	22.8	22,017	11.3	1,534	34.7	72	16.3	575	13.0
1944	2,009,600	44,246	22.0	21,144	10.5	1,493	33.7	72	16.3	607	13.7
1945	2,073,600	44,296	21.4	21,292	10.3	1,523	34.4	79	17.8	672	15.2
1946	2,137,600	51,941	24.3	21,620	10.1	1,723	33.2	65	12.5	869	16.7
1947	2,202,400	58,230	26.4	21,763	9.9	1,630	28.0	59	10.1	907	15.6

TABLE 1 (Cont'd)

Year	Population	Livebirths		Deaths		Infant Deaths		Maternal Deaths		Fetal Deaths	
		Number	Rate*	Number	Rate*	Number	Rate**	Number	Rate***	Number	Ratio**
1948	2,266,400	55,460	24.5	21,925	9.7	1,525	27.5	36	6.5	776	14.0
1949	2,331,000	56,433	24.2	22,420	9.6	1,526	27.0	36	6.4	850	15.1
1950	2,378,963	55,755	23.4	22,450	9.4	1,526	27.4	28	5.0	799	14.3
1951	2,444,000	57,994	23.7	23,300	9.5	1,412	24.3	23	4.0	852	14.7
1952	2,496,100	61,436	24.6	22,874	9.2	1,522	24.8	15	2.4	857	13.9
1953	2,528,200	61,571	24.4	23,279	9.2	1,556	25.3	18	2.9	834	13.5
1954	2,566,000	62,703	24.4	23,238	9.1	1,514	24.1	29	4.6	829	13.2
1955	2,586,100	62,290	24.1	24,410	9.4	1,520	24.4	16	2.6	806	12.9
1956	2,651,900	64,999	24.5	24,207	9.1	1,524	23.4	13	2.0	777	12.0
1957	2,712,700	65,982	24.3	25,140	9.3	1,596	24.2	20	3.0	793	12.0
1958	2,767,900	65,574	23.7	25,429	9.2	1,707	26.0	11	1.7	764	11.7
1959	2,819,000	65,729	23.3	26,229	9.3	1,570	23.9	9	1.4	749	11.4
1960	2,853,214	65,251	22.9	26,505	9.3	1,528	23.4	17	2.6	738	11.3
1961	2,897,000	65,013	22.4	26,353	9.1	1,467	22.6	19	2.9	756	11.6
1962	2,948,000	64,812	22.0	27,343	9.3	1,476	22.8	6	0.9	704	10.9
1963	2,972,000	61,013	20.5	27,550	9.3	1,339	21.9	10	1.6	657	10.8
1964	3,008,000	57,148	19.0	28,106	9.3	1,277	22.3	7	1.2	637	11.1
1965	3,065,000	52,806	17.2	27,379	8.9	1,130	21.4	15	2.8	639	12.1
1966	3,125,000	51,777	16.6	29,035	9.3	1,084	20.9	13	2.5	554	10.7
1967	3,229,000	54,875	17.1	29,302	9.1	1,050	19.1	12	2.2	573	10.4
1968	3,329,000	57,206	17.2	30,360	9.1	1,120	19.6	8	1.4	620	10.8
1969	3,365,000	59,354	17.6	30,504	9.1	1,118	18.8	12	2.0	651	11.0
1970	3,409,169	60,499	17.7	29,901	8.8	1,135	18.8	9	1.5	640	10.6
1971	3,433,000	55,304	16.1	30,318	8.8	1,008	18.2	5	0.9	574	10.4
1972	3,418,800	48,250	14.1	29,747	8.7	805	17.0	6	1.2	428	8.8
1973	3,424,300	47,636	13.9	30,751	9.0	781	16.4	3	0.6	430	9.0
1974	3,448,100	50,096	14.5	29,773	8.6	763	15.2	4	0.8	450	9.0
1975	3,494,124	50,821	14.5	29,778	8.5	798	15.7	5	1.0	421	8.3
1976	3,571,600	53,004	14.8	30,275	8.5	765	14.4	3	0.6	439	8.3
1977	3,661,975	57,256	15.6	29,789	8.1	696	12.2	5	0.9	426	7.4
1978	3,774,294	58,725	15.6	30,469	8.1	737	12.6	4	0.7	465	7.9
1979	3,911,200	64,377	16.5	30,418	7.8	737	11.4	5	0.8	466	7.2
1980	4,130,163	67,857	16.4	32,012	7.8	798	11.8	1	0.1	533	7.9
1981	4,250,123	69,756	16.4	32,022	7.5	731	10.5	4	0.1	489	7.0

*Per 1,000 Population **Per 1,000 Livebirths ***Per 10,000 Livebirths

1933 and prior are occurrence figures, also Infant Mortality 1938 and Fetal Deaths 1935-1938, all others residence figures. 1961-1969 are revised estimates provided by the Office of Program Planning and Financial Management.

NATALITY

TABLE 2

LIVEBIRTHS IN WASHINGTON STATE BY SELECTED TOPICS, 1981

A RESIDENCE BY RACE BY SEX

		MALE	FEMALE	UNK
Total	69,756	35,782	33,968	6
White	58,940	30,263	28,671	6
Black	2,924	1,464	1,460	
Mexican/ Chicano	2,509	1,336	1,173	
Indian	1,605	817	788	
Japanese	422	202	220	
Chinese	322	168	154	
Filipino	701	355	346	
Other and Not Stated	2,333	1,177	1,156	

B RESIDENCE BY MOTHERS AGE GROUP BY SEX

		MALE	FEMALE	UNK
Total	69,756	35,782	33,968	6
Under 15	83	38	45	
15 - 19	8,195	4,216	3,979	
20 - 24	23,634	12,247	11,385	2
25 - 29	23,108	11,799	11,306	3
30 - 34	11,606	5,857	5,748	1
35 - 39	2,736	1,410	1,326	
40 - 44	360	193	167	
45 and Over	17	13	4	
Unknown	17	9	8	

C RESIDENCE BY ORDER OF BIRTH TO MOTHER

		%*
Total	69,756	100.0
1st child	30,514	43.7
2nd child	22,845	32.7
3rd child	10,156	14.6
4th child	3,715	5.3
5th child	1,371	2.0
6th child	589	0.8
7th child	282	0.4
8th child	136	0.2
9th child	77	0.1
10th or more	71	0.1

D RESIDENCE BY ATTENDANT

		%*
Total	69,756	100.0
M.D.	65,733	94.2
Osteopath	1,401	2.0
Midwife	1,544	2.2
Father	160	0.2
Nurse	287	0.4
Mother	18	**
Other and Not Stated	613	0.9

E MULTIPLE LIVEBIRTHS

699 sets of twins
3 sets of triplets

TABLE 2 (CONT)

LIVEBIRTHS IN WASHINGTON STATE BY SELECTED TOPICS, 1981

F TYPE OF PLACE BY OCCURRENCE

Total	69,163
General Hospital	62,731
Federal Facility	3,899
Birth Center	1,135
Home	973
Born on Arrival	120
Other and Not Stated	305

G RESIDENCE AND OCCURENCE BY SEX, BY BIRTHWEIGHT IN GRAMS

	RESIDENCE				OCCURRENCE			
	Total	Male	Female	Unk	Total	Male	Female	Unk
Total	69,756	35,782	33,968	6	69,163	35,492	33,665	6
1,000 grams and under	293	155	138		293	152	141	
1,001 - 1,500	307	168	138	1	296	161	134	1
1,501 - 2,000	693	341	351	1	700	342	357	1
2,001 - 2,500	2,374	1,100	1,274		2,345	1,088	1,257	
2,501 - 3,000	9,189	3,903	5,285	1	9,142	3,885	5,256	1
3,001 - 3,500	24,794	11,739	13,054	1	24,558	11,617	12,940	1
3,501 - 4,000	22,352	12,108	10,243	1	22,163	12,032	10,130	1
4,001 - 4,500	7,862	4,995	2,866	1	7,794	4,956	2,837	1
4,501 and over	1,802	1,229	573		1,788	1,220	568	
Not Stated	90	44	46		84	39	45	

H LIVEBIRTHS AND FETAL DEATHS, RESIDENCE AND OCCURRENCE BY MONTH

	LIVEBIRTHS		FETAL DEATHS	
	Res	Occ	Res	Occ
Total	69,756	69,163	489	496
January	5,468	5,423	31	31
February	5,274	5,229	51	53
March	5,921	5,865	41	42
April	5,863	5,799	40	41
May	6,261	6,204	40	41
June	6,045	6,026	54	54
July	6,102	6,055	47	47
August	6,094	6,050	36	36
September	6,067	6,016	34	34
October	5,663	5,611	50	52
November	5,405	5,364	28	28
December	5,593	5,521	37	37

* Detail may not add to 100% due to rounding
**Less than .05 of one percent

TABLE 3: LIVEBIRTH INTER-COUNTY TRAVEL PATTERNS,

OCCURRENCE →

ADAMS	ASOTIN	BENTON	CHELAN	CLALLAM	CLARK	COLUMBIA	COWLITZ	DOUGLAS	FERRY	FRANKLIN	GARFIELD	GRANT	GRAYS HARBOR	ISLAND	JEFFERSON	KING	KITSAP	KITTITAS	KLICKITAT	LEWIS	LINCOLN	MASON
160		17	4							3		48									8	
	32										1											
		1,922	3							159						5	1					
			727									2				18				1		
				777									2		3	18	1					
		1			2,280		13									2						
						29	2				3											
					31		1,164									3				5		
			343					3				3				3						
									67			2				1					2	
41		425								357		10										
						1					28											
49		8	116							1		656				3		12			2	
				4	1		1						665			24				22		4
														633		47	1					
				19									3		198	6	5					1
		1	1	1	2		2	1	1	1		1	2			17611	6	1		1		
	1		1				1							1	2	254	2135					1
		1	1													6		281				
																			189			
	1	1					65						1			12				760		1
												8									59	
			1										4			5	102			1		256
			2						4			27				4		1			2	
							13						43			7				3		
																1						
			1	2	1					1		2	1	2		598	28			1		1
		1												1		7						
				1			1							11		28						
					29														28			
		1					1						1	6		1933						
		1	1				1					1				1					1	
																					8	
													3			22	1			112		10
					1		43						1			1						
		24				6				11						2						
														4		34						
																1						
1		55	2							3		1				3		4	4	1		
1	37	28	1		33		158			3		2	5	1	2	66	9	2	62	3	1	1

WASHINGTON STATE RESIDENTS AND OCCURRENCES, 1981

OKANOGAN	PACIFIC	PEND OREILLE	PIERCE	SAN JUAN	SKAGIT	SKAMANIA	SNOHOMISH	SPOKANE	STEVENS	THURSTON	WAHKIAKUM	WALLA WALLA	WHATCOM	WHITMAN	YAKIMA	OUT-OF-STATE	RESIDENCE
			1					53				1		8	3		ADAMS
					1			1						9		223	ASOTIN
2			1				1	19				11			71	22	BENTON
19				1	1		1	1		1			1	1		3	CHELAN
1							2			2						8	CLALLAM
			2										2	1		992	CLARK
												17					COLUMBIA
	3		1										1			61	COWLITZ
34								1									DOUGLAS
7								15	26							4	FERRY
			2					20				12		1	2	1	FRANKLIN
1								2				1		3		7	GARFIELD
6							1	71				1			9	2	GRANT
	55		18							259			1			2	GRAYS HARBOR
			8		76		28	1								5	ISLAND
			3							1							JEFFERSON
2			493		6		366	4		4			3		3	49	KING
			264				18			1		2				9	KITSAP
			1				1	3							45	1	KITTITAS
						1									14	107	KLICKITAT
	1		26		1					88					2	4	LEWIS
								72									LINCOLN
	1		26		1					96			1			1	MASON
547								20					1		1	13	OKANOGAN
	97		4							9						82	PACIFIC
		81						53	7							5	PEND OREILLE
			8702		2		5	2		33			2		3	16	PIERCE
				21	54		1						9				SAN JUAN
			1		1044		10	2		1			11		1	3	SKAGIT
						2									1	64	SKAMANIA
			6		126		4067	1					1			8	SNOHOMISH
1		1	1				1	5886	6			1		2	1	38	SPOKANE
								213	361							6	STEVENS
1			248							1772					1	11	THURSTON
	1															6	WAHKIAKUM
			1									881		1	2	6	WALLA WALLA
			1		112		5	1					1521			14	WHATCOM
								74						428		34	WHITMAN
			4		1			1							2300	10	YAKIMA
6		39	29		5		5	272		3		239	6	187	17		OUT-OF-STATE

TABLE 4

LIVEBIRTHS WITH RATES BY PLACE OF RESIDENCE AND OCCURRENCE, BY SEX, WASHINGTON STATE, 1981

County and City	Residence					Occurrence	
	Number	Rate*	Male	Female	Unknown	Number	Rate*
STATE TOTALS	69,756	16.4	35,782	33,968	6	69,163	16.3
Adams	306	23.4	143	163		252	19.2
Asotin	267	15.7	128	139		71	4.2
Benton	2,217	19.6	1,138	1,078	1	2,486	21.9
Kennewick	974	28.1	491	483		731	21.1
Richland	502	14.9	264	237	1	1,596	46.2
Chelan	777	16.8	408	369		1,204	26.1
Wenatchee	272	15.7	142	130		1,029	59.5
Clallam	814	15.5	434	380		804	15.3
Port Angeles	268	15.5	149	119		677	39.1
Clark	3,293	16.8	1,682	1,611		2,378	12.1
Vancouver	1,194	28.0	610	584		2,363	55.5
Columbia	51	12.8	25	26		36	9.0
Cowlitz	1,269	15.8	703	566		1,465	18.2
Kelso	210	18.8	115	95		2	.2
Longview	563	18.1	320	243		1,460	46.9
Douglas	387	17.0	199	188		4	.2
Ferry	124	20.7	60	64		72	12.0
Franklin	871	23.7	433	438		539	14.7
Pasco	558	29.8	287	271		539	28.8
Garfield	41	17.1	19	22		30	12.5
Grant	936	19.3	476	460		762	15.7
Moses Lake	198	19.0	109	89		470	45.2
Grays Harbor	1,056	15.8	543	513		731	10.9
Aberdeen	305	16.3	158	147		629	33.6
Island	799	17.7	422	377		659	14.6
Oak Harbor	311	25.2	164	147		402	32.6
Jefferson	236	14.2	127	109		205	12.3
King	18,562	14.2	9,452	9,107	3	20,726	15.8
Auburn	544	19.6	280	264		668	24.0
Bellevue	909	12.0	487	422		1,947	25.8
Kent	460	19.7	246	214		8	.3
Kirkland	310	16.3	145	165		898	47.3
Mercer Island	156	7.3	82	74		2	.1
Redmond	461	18.7	237	224		1,930	78.5
Renton	577	17.9	298	279		2,009	62.4
Seattle	6,681	13.6	3,438	3,240	3	12,862	26.1
Kitsap	2,690	17.2	1,367	1,322	1	2,289	14.6
Bremerton	859	23.2	418	441		2,244	60.6
Kittitas	340	13.5	178	162		301	12.0
Ellensburg	148	12.4	85	63		282	23.7
Klickitat	311	19.2	151	160		283	17.5
Lewis	963	17.0	482	481		910	16.0
Centralia	250	20.8	116	134		497	41.4
Lincoln	139	14.5	69	70		83	8.6
Mason	495	15.5	248	247		275	8.6
Okanogan	622	20.1	337	285		627	20.3
Pacific	258	14.5	134	124		158	8.9
Pend Oreille	147	16.7	75	72		121	13.8
Pierce	9,403	18.8	4,750	4,653		9,843	19.6
Puyallup	336	18.5	147	189		1,357	74.6
Tacoma	3,021	18.9	1,559	1,462		8,357	52.3
San Juan	94	11.6	49	45		22	2.7
Skagit	1,114	17.2	582	532		1,430	22.0
Mount Vernon	290	21.8	147	143		1,011	76.0
Skamania	124	15.3	70	54		3	.4
Snohomish	6,151	17.4	3,145	3,005	1	4,512	12.8
Edmonds	413	14.6	215	197	1	1,672	59.1
Everett	1,247	22.3	649	598		2,263	40.4
Lynnwood	565	23.8	290	275		55	2.3
Mountlake Terrace	290	17.9	151	139		6	.4
Spokane	5,744	16.5	3,004	2,740		6,589	19.0
Spokane (city)	2,942	17.2	1,547	1,395		6,151	35.9
Stevens	588	19.9	328	260		400	13.6
Thurston	2,181	16.9	1,133	1,048		2,270	17.6
Lacey	234	16.5	114	120		9	.6
Olympia	676	24.5	339	337		2,251	81.6
Wahkiakum	53	13.9	31	22		0	-
Walla Walla	714	14.9	360	354		946	19.7
Walla Walla (city)	417	16.4	202	215		938	36.9
Whatcom	1,692	15.4	854	838		1,560	14.2
Bellingham	633	13.6	323	310		1,539	33.2
Whitman	537	13.3	283	254		641	15.9
Pullman	273	11.5	140	133		520	21.8
Yakima	3,390	19.4	1,760	1,630		3,476	19.9
Yakima (city)	895	18.0	484	411		2,350	47.2

* Rates per 1,000 population

TABLE 5

LIVEBIRTHS BY RACE BY PLACE OF RESIDENCE, WASHINGTON STATE 1961

County and City	Total	White	Black	Mexican/ Chicano	Indian	Japan- ese	Chin- ese	Filipino	Other Asian	Other	Unknown
STATE TOTALS	69,756	58,940	2,924	2,509	1,605	422	322	701	2,146	21	166
Adams	306	269		36	1						
Asotin	267	255		2	6		1				3
Benton	2,217	1,917	28	160	28	10	15	17	39	1	2
Kennewick	974	850	15	56	15	6	6	10	15		1
Richland	502	441	11	13	5	3	7	4	18		
Chelan	777	669		95	4				9		
Wenatchee	272	242		19	4				7		
Clallam	814	727	1	11	63			4	6		2
Port Angeles	268	248		5	13			1			1
Clark	3,293	3,016	50	50	40	18	8	13	91		7
Vancouver	1,194	1,050	29	22	17	8	2	9	55		2
Columbia	51	42		7	1			1			
Cowlitz	1,269	1,202	2	17	20	1	2	5	20		
Kelso	210	195		4	8			2	1		
Longview	563	527	2	5	9	1	2	1	16		
Douglas	387	329	1	50	1	3		1	2		
Ferry	124	88		1	31				1		3
Franklin	871	565	43	246	4			1	12		
Pasco	558	299	42	206	2			1	8		
Garfield	41	41									
Grant	936	782	10	123	9	5	1	2	2	1	1
Moses Lake	198	152	4	39	2			1			
Grays Harbor	1,056	946	4	16	72	5	2	4	7		
Aberdeen	305	272	3	6	18	2		1	3		
Island	799	721	14	8	7			5	44		
Oak Harbor	311	265	12	2	4			2	26		
Jefferson	236	224		1	6	1		2	2		
King	18,562	15,050	1,339	119	243	194	210	365	947	8	67
Auburn	544	499	3	2	13	4	1	3	17		2
Bellevue	909	770	24		2	19	12	10	70		2
Kent	460	409	12	4	3	7		5	18		2
Kirkland	310	289	7		1	1	2	2	8		
Mercer Island	156	140	3		1	7	2	2	1		
Redmond	461	418	8	2	2	7	3	5	15		1
Renton	577	477	35	4	9	5	3	17	22		5
Seattle	6,681	4,455	1,059	61	127	72	129	228	512	4	34
Kitsap	2,690	2,323	99	30	65	13	8	87	61		4
Bremerton	859	680	71	16	21	2	2	42	25		
Kittitas	340	324	2	5	4		1	2	2		
Ellensburg	148	140	2	3	1		1		1		
Klickitat	311	284		11	13	1			1		1
Lewis	963	923		23	9				8		
Centralia	250	238		5	3				4		
Lincoln	139	134		1	1				3		
Mason	495	453	3	6	25	2		1	3		2
Okanogan	622	474	2	33	98				3		12
Pacific	258	238	1	5	10				2		2
Pend Oreille	147	139		1	7						
Pierce	9,403	7,380	1,037	172	180	83	20	99	417	5	10
Puyallup	336	314	2	4	5	2	1	1	6		1
Tacoma	3,021	2,214	441	49	92	26	3	44	148	2	2
San Juan	94	92			1				1		
Skagit	1,114	1,052	1	22	20	1	1	3	14		
Mount Vernon	290	274		5	2		1	2	6		
Skamania	124	118		2	2	1					1
Snohomish	6,151	5,670	57	52	103	28	19	40	172	1	9
Edmonds	413	370	3	3	7	6	4	3	17		
Everett	1,247	1,124	21	15	25	2	2	9	47		2
Lynnwood	565	500	5	6	3	6	2	9	34		
Mountlake Terrace	290	259	6	3	4	2	2	3	10		1
Spokane	5,744	5,283	129	38	111	33	15	19	112	1	3
Spokane (city)	2,942	2,646	80	22	74	16	8	11	85		
Stevens	588	528		4	47	1			2		6
Thurston	2,181	1,935	41	28	39	12	9	12	100	1	4
Lacey	234	194	5	3	3	1	1	3	24		
Olympia	676	588	5	9	11	3	4	5	49		2
Wahkiakum	53	50		2	1						
Walla Walla	714	617	11	78	2		2	1	3		
Walla Walla (city)	417	370	6	38			2	1			
Whatcom	1,692	1,503	9	33	79	1	2	4	36		25
Bellingham	633	570	8	8	22		1	1	18		5
Whitman	537	493	11	9	1	3	5	2	10	2	1
Pullman	273	243	11	4			2	2	8	2	1
Yakima	3,390	2,084	29	992	251	6	1	11	14	1	1
Yakima (city)	895	695	20	143	19	4	1	4	9		

TABLE 6

LIVEBIRTHS BY MOTHER'S AGE GROUP BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	All Ages	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Age Unknown
STATE TOTALS	69,756	81	8,195	23,634	23,108	11,606	2,736	360	17	17
Adams	306		52	103	90	48	12	1		
Asotin	267		32	114	76	34	10	1		
Benton	2,217	1	268	727	766	361	86	7	1	
Kennewick	974		130	363	323	131	24	2	1	
Richland	502		49	152	167	94	37	3		
Chelan	777		95	301	226	127	22	6		
Wenatchee	272		39	105	84	40	3	1		
Clallam	814		110	278	287	112	24	3		
Port Angeles	268		39	100	79	38	10	2		
Clark	3,293	3	400	1,132	1,117	492	134	14	1	
Vancouver	1,194	2	193	498	343	125	29	4		
Columbia	51		8	22	10	9	2			
Cowlitz	1,269	3	184	504	385	149	35	9		
Kelso	210		45	88	54	17	3	3		
Longview	563	2	85	226	177	61	9	3		
Douglas	387		44	138	130	59	10	5	1	
Ferry	124		17	48	40	16	2	1		
Franklin	871		144	320	257	110	31	8		1
Pasco	558		112	227	136	64	16	3		
Garfield	41		3	15	15	7	1			
Grant	936		124	326	308	134	36	8		
Moses Lake	198		33	60	66	32	3	4		
Grays Harbor	1,056	2	160	405	344	115	28	2		
Aberdeen	305	1	55	118	88	34	7	2		
Island	799		77	304	253	133	28	4		
Oak Harbor	311		38	132	100	32	8	1		
Jefferson	236		26	71	75	58	6			
King	18,562	22	1,562	5,296	6,510	4,028	1,021	111	4	8
Auburn	544		85	244	146	52	16	1		
Bellevue	909		57	234	305	242	61	9		1
Kent	460		73	166	146	59	14	2		
Kirkland	310		19	96	120	64	11			
Mercer Island	156		3	18	48	69	17	1		
Redmond	461		20	90	167	146	32	6		
Renton	577		55	228	196	75	20	3		
Seattle	6,681	10	640	1,822	2,229	1,518	417	38	3	4
Kitsap	2,690	4	304	986	831	445	106	13	1	
Bremerton	859	1	138	383	214	99	22	2		
Kittitas	340	1	36	127	109	58	8	1		
Ellensburg	148	1	20	61	42	21	3			
Klickitat	311		48	120	94	36	11	2		
Lewis	963		151	373	273	134	24	7	1	
Centralia	250		47	115	59	22	5	2		
Lincoln	139		11	50	56	14	5	3		
Mason	495	2	77	195	154	59	6	1		
Okanogan	622		81	235	197	92	14	2	1	
Pacific	258		43	91	73	37	12	2		
Pend Oreille	147		19	42	49	29	6	2		
Pierce	9,403	10	1,310	3,550	2,964	1,232	294	40	3	
Puyallup	336		48	116	110	52	9	1		
Tacoma	3,021	5	472	1,055	959	423	89	17	1	
San Juan	94		6	23	30	25	9	1		
Skagit	1,114	2	140	390	384	163	26	8		1
Mount Vernon	290		37	115	91	44	2	1		
Skamania	124		22	43	37	18	4			
Snohomish	6,151	4	593	2,060	2,237	976	253	23	2	3
Edmonds	413		29	118	165	70	29	1		1
Everett	1,247	1	188	507	391	128	30	2		
Lynnwood	565		54	200	199	90	19	3		
Mountlake Terrace	290	1	26	97	101	52	10	3		
Spokane	5,744	9	717	2,083	1,897	845	170	23		
Spokane (city)	2,942	6	408	1,093	958	395	73	9		
Stevens	588	1	85	210	194	83	14	1		
Thurston	2,181	3	300	715	727	354	64	17	1	
Lacey	234		32	91	73	30	8			
Olympia	676	1	102	212	227	111	19	4		
Wahkiakum	53		10	19	15	8	1			
Walla Walla	714	2	105	244	213	111	31	7		1
Walla Walla (city)	417	2	69	138	114	69	19	6		
Whatcom	1,692		168	554	568	327	64	8	1	2
Bellingham	633		68	210	192	131	27	4		1
Whitman	537		44	167	196	102	24	4		
Pullman	273		12	73	118	56	14			
Yakima	3,390	14	619	1,253	921	466	102	15		
Yakima (city)	895	2	166	335	229	136	24	3		

TABLE 7

LIVEBIRTHS BY MONTH BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Total	Jan	Feb	Mar	April	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
STATE TOTAL	69,756	5,468	5,274	5,921	5,863	6,261	6,045	6,102	6,094	6,067	5,663	5,405	5,593
Adams	306	20	27	29	21	27	24	37	22	25	21	26	27
Asotin	267	18	19	26	19	26	13	33	25	21	25	23	19
Benton	2,217	188	169	175	164	192	208	186	199	212	187	161	176
Kennewick	974	77	64	79	77	94	94	88	96	76	72	74	83
Richland	502	42	50	36	28	47	49	38	38	66	48	36	24
Chelan	777	80	81	54	55	74	48	67	64	62	69	63	60
Wenatchee	272	36	23	22	18	24	21	25	16	28	19	17	23
Clallam	814	66	75	80	70	78	59	71	59	72	58	56	70
Port Angeles	268	19	16	32	20	28	16	26	22	19	19	20	31
Clark	3,293	263	277	246	304	269	262	272	272	293	267	279	289
Vancouver	1,194	109	102	95	103	100	95	94	89	104	98	109	96
Columbia	51	2	2	2	2	10	6	2	6	5	1	4	9
Cowlitz	1,269	89	94	112	94	111	113	105	118	101	112	101	119
Kelso	210	14	17	18	13	24	16	22	14	17	15	23	17
Longview	563	33	35	54	39	55	48	47	52	40	49	43	58
Douglas	387	31	41	26	33	34	36	33	38	33	37	21	24
Ferry	124	9	9	11	11	12	16	16	10	5	10	8	7
Franklin	871	76	64	73	78	64	81	76	75	83	58	75	68
Pasco	558	49	46	46	36	37	53	49	52	57	36	53	44
Garfield	41	2		6	3	5	3	6	3	4	4	2	3
Grant	936	76	61	77	69	100	88	87	75	88	75	77	63
Moses Lake	198	20	14	18	10	23	20	12	9	20	18	19	15
Grays Harbor	1,056	69	74	97	83	96	92	111	92	89	67	94	92
Aberdeen	305	30	14	26	21	22	21	34	29	33	17	30	28
Island	799	68	62	73	78	64	68	77	62	65	58	52	72
Oak Harbor	311	24	22	30	37	22	28	28	26	28	23	18	25
Jefferson	236	13	24	22	22	14	23	15	20	25	13	24	21
King	18,562	1,433	1,387	1,605	1,513	1,710	1,647	1,636	1,667	1,576	1,502	1,423	1,463
Auburn	544	37	37	57	53	47	41	39	52	52	43	38	48
Bellevue	903	79	72	84	82	94	72	73	83	64	75	75	56
Kent	460	37	38	46	32	32	37	38	45	43	37	36	39
Kirkland	310	21	30	20	26	27	29	38	30	26	23	16	24
Mercer Island	156	18	16	9	12	12	10	13	9	19	13	14	11
Redmond	461	34	30	31	40	38	38	46	34	44	45	45	36
Renton	577	67	39	57	44	44	47	45	57	44	45	37	51
Seattle	6,681	522	518	570	527	598	599	565	592	590	506	547	547
Kitsap	2,690	195	187	215	233	254	234	236	251	237	251	195	202
Bremerton	859	58	52	67	80	81	89	79	80	69	79	59	66
Kittitas	340	33	19	25	25	28	27	34	31	33	40	22	23
Ellensburg	148	10	11	11	9	11	12	13	16	17	18	8	12
Klickitat	311	13	23	29	28	32	23	36	23	28	32	17	27
Lewis	963	89	83	69	100	85	83	83	78	61	64	77	91
Centralia	250	27	16	16	24	20	19	28	17	20	20	19	24
Lincoln	139	15	6	19	11	13	9	11	14	9	12	11	9
Mason	495	38	38	33	36	43	58	40	54	43	33	37	42
Okanogan	622	44	54	54	50	54	51	50	62	49	49	53	52
Pacific	258	17	13	26	22	20	34	27	25	18	21	14	21
Pend Oreille	147	9	11	10	15	11	13	13	18	13	11	9	14
Pierce	9,403	716	729	814	759	834	790	842	761	866	786	771	735
Puyallup	336	29	27	36	19	20	26	19	26	36	31	43	24
Tacoma	3,021	208	240	262	229	287	244	310	270	274	259	221	217
San Juan	94	12	6	12	10	9	12	2	6	10		8	7
Skagit	1,114	92	68	82	113	88	91	90	97	112	84	97	100
Mount Vernon	290	27	15	24	30	16	22	24	22	33	25	22	30
Skamania	124	11	4	11	13	7	9	14	12	8	11	13	11
Snohomish	6,151	486	446	475	531	603	531	505	567	577	466	458	506
Edmonds	413	28	38	26	36	31	36	24	38	45	40	34	37
Everett	1,247	89	104	100	101	118	105	107	109	121	91	103	99
Lynnwood	565	53	31	53	57	57	49	35	58	41	49	40	42
Mountlake Terrace	290	20	19	24	22	39	16	21	23	28	35	20	23
Spokane	5,744	466	425	514	508	523	475	501	489	490	493	439	421
Spokane	2,942	238	214	257	235	294	245	262	272	245	233	219	228
Stevens	588	50	41	63	44	47	46	62	55	50	51	33	46
Thurston	2,181	202	185	178	155	169	199	180	196	183	180	161	193
Lacey	234	32	24	25	17	11	22	19	15	15	16	18	20
Olympia	676	69	50	59	42	45	65	53	58	59	53	62	61
Wahkiakum	53	5	11	5	6	4	1	2	5	4	4	2	4
Walla Walla	714	42	53	65	66	61	60	79	60	56	68	55	49
Walla Walla	417	26	26	33	37	37	34	48	38	30	42	39	27
Whatcom	1,692	125	112	148	171	150	166	131	149	129	145	136	130
Bellingham	633	37	45	59	63	50	58	48	49	50	61	62	51
Whitman	537	49	36	58	47	43	54	34	43	50	39	52	32
Pullman	273	29	19	29	27	21	30	17	20	21	19	23	18
Yakima	3,390	256	258	302	301	297	292	300	291	282	259	256	296
Yakima	895	58	77	77	76	85	86	78	74	72	64	71	77

TABLE 8

LIVEBIRTHS BY BIRTHPLACE BY PLACE OF OCCURRENCE, WASHINGTON STATE 1981

County and City	Total	General Hospital	Federal Facilities	Home	Born on Arrival	Other and Not Stated
STATE TOTAL	69,163	62,744	3,899	973	120	1,427
Adams	252	251		1		
Asotin	71	69		1	1	
Benton	2,486	2,474		10	1	1
Kennewick	731	726		4		1
Richland	1,556	1,552		3	1	
Chelan	1,204	1,191		12	1	
Wenatchee	1,029	1,026		2	1	
Clallam	804	788		14	2	
Port Angeles	677	672		4	1	
Clark	2,378	2,325		52		1
Vancouver	2,363	2,325		38		
Columbia	36	35		1		
Cowlitz	1,465	1,459		6		
Kelso	2			2		
Longview	1,460	1,459		1		
Douglas	4			3		1
Ferry	72	59		10	1	2
Franklin	539	532		7		
Pasco	539	532		7		
Garfield	30	30				
Grant	762	755		7		
Moses Lake	470	470				
Grays Harbor	731	724		4	1	2
Aberdeen	629	627				2
Island	659	242	400	15	2	
Oak Harbor	402	1	399	2		
Jefferson	205	189		16		
King	20,726	19,579		306	88	753
Auburn	668	656		11	1	
Bellevue	1,947	1,928		15	1	3
Kent	8			8		
Kirkland	898	875		21	2	
Mercer Island	2			2		
Redmond	1,930	1,916		12	2	
Renton	2,009	1,931		17	60	1
Seattle	12,862	11,933		160	21	748
Kitsap	2,289	1,680	555	29	2	23
Bremerton	2,244	1,680	555	7	2	
Kittitas	301	279		4		18
Ellensburg	282	279		3		
Klickitat	283	240		6	1	36
Lewis	910	879		11	1	19
Centralia	497	492		4	1	
Lincoln	83	76		7		
Mason	275	262		12		1
Okanogan	627	596		24	1	6
Pacific	156	152		5	1	
Pend Oreille	121	117		2		2
Pierce	9,843	7,129	2,564	82	5	63
Puyallup	1,357	1,352		5		
Tacoma	8,357	5,775	2,540	38	4	
San Juan	22			4		18
Skagit	1,430	1,218		20		192
Mount Vernon	1,011	817		3		191
Skamania	3			3		
Snohomish	4,512	4,287		100	5	120
Edmonds	1,672	1,578		11	1	82
Everett	2,263	2,242		18	3	
Lynnwood	55			18		37
Mountlake Terrace	6			6		
Spokane	6,589	6,009	380	50	4	146
Spokane (city)	6,151	5,955	8	41	4	143
Stevens	400	382		17		1
Thurston	2,270	2,223		46		1
Lacey	9			9		
Olympia	2,251	2,223		27		1
Walla Walla	946	929		17		
Walla Walla (city)	938	929		9		
Whatcom	1,560	1,506		52	1	1
Bellingham	1,539	1,505		32	1	1
Whitman	641	616		7	1	17
Pullman	520	516		3	1	
Yakima	3,476	3,462		10	1	3
Yakima (city)	2,350	2,345		4		1

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ATTENTION

This page has been prepared to replace Table 8, Livebirths by Birthplace, by Place of Occurrence. Birthing Center data are incorrect and should not be used.

Erratum issued 7/83

TABLE 9

LIVEBIRTHS BY BIRTHWEIGHT IN GRAMS BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Total	1000 or less	1001-1500	1501-2000	2001-2500	2501-3000	3001-3500	3501-4000	4001-4500	4501 and Over	Not Stated
TOTAL	69,756	293	307	693	2,374	9,189	24,794	22,352	7,862	1,802	90
Adams	306	3		3	7	29	122	94	41	7	
Asotin	267	1		1	10	31	87	98	35	4	
Benton	2,217	10	7	23	77	266	739	766	266	62	1
Kennewick	974	3	3	11	35	118	331	344	111	18	
Richland	502	2	4	8	12	50	165	173	71	16	1
Chelan	777	4	2	9	21	91	265	257	109	14	5
Wenatchee	272	1		3	8	34	83	96	40	6	1
Clallam	814	2	2	6	18	107	275	289	92	21	2
Port Angeles	268	2		1	6	48	80	90	32	8	1
Clark	3,293	14	13	22	103	400	1,139	1,104	383	107	8
Vancouver	1,194	5	6	5	53	167	433	348	134	38	5
Columbia	51				4	9	14	13	8	3	
Cowlitz	1,269	1	6	16	42	162	439	426	134	42	1
Kelso	210			3	6	33	73	67	23	5	
Longview	563		4	10	19	78	196	179	57	19	1
Douglas	387	2	2		14	52	143	125	42	7	
Ferry	124	1	1	1	7	17	45	41	10	1	
Franklin	871	4	2	5	29	123	314	276	93	25	
Pasco	558	3	2	3	22	91	197	168	56	16	
Garfield	41		1	1		3	17	13	6		
Grant	936	2	3	10	31	105	335	299	121	29	1
Moses Lake	198		1	4	6	19	74	63	23	7	1
Grays Harbor	1,056	6	12	5	28	150	377	332	120	26	
Aberdeen	305	3	5	1	13	44	111	90	29	9	
Island	799	4	3	4	19	93	267	276	105	26	2
Oak Harbor	311	2			8	35	109	109	39	8	1
Jefferson	236			2	15	25	77	70	33	13	1
King	18,562	88	78	194	621	2,493	6,594	5,893	2,093	473	35
Auburn	544	2	1	7	21	72	189	180	59	13	
Bellevue	909	4	1	5	23	120	333	289	105	27	2
Kent	460		2	11	13	67	167	141	54	5	
Kirkland	310		1		9	43	103	105	41	8	
Mercer Island	156				5	22	48	63	15	3	
Redmond	461	3	6	7	18	57	147	153	47	22	1
Renton	577	5	2	10	16	78	212	174	67	12	1
Seattle	6,681	36	33	69	263	1,020	2,440	1,979	666	150	25
Kitsap	2,690	12	9	25	89	292	955	917	303	85	3
Bremerton	859	4	3	7	33	111	310	274	93	24	
Kittitas	340	1		1	18	36	117	117	45	5	
Ellensburg	148				10	17	49	50	19	3	
Klickitat	311	1	1	4	9	40	112	101	30	10	3
Lewis	963	7	4	13	34	143	341	272	117	32	
Centralia	250	1	2	3	11	43	91	70	25	4	
Lincoln	139			1	6	17	41	52	20	2	
Mason	495		1	4	12	61	168	165	70	12	2
Okanogan	622	3	2	6	30	83	211	191	67	28	1
Pacific	258	1	1	3	9	41	86	75	35	7	
Pend Oreille	147	2	1	2	9	12	48	55	15	3	
Pierce	9,403	52	46	110	394	1,398	3,443	2,851	922	184	3
Puyallup	336	1	1	4	13	51	117	104	43	2	
Tacoma	3,021	27	16	42	147	489	1,110	881	249	59	1
San Juan	94				2	11	36	33	9	3	
Skagit	1,114	3	5	6	33	131	384	377	135	38	2
Mount Vernon	290		3	2	8	41	104	93	27	10	2
Skamania	124			1	2	12	49	35	21	4	
Snohomish	6,151	17	37	46	183	737	2,105	2,061	775	180	10
Edmonds	413	2	2	1	10	44	151	140	46	16	1
Everett	1,247	4	6	15	39	161	424	417	148	33	
Lynnwood	565	2	6	3	23	66	211	169	66	17	2
Mountlake Terrace	290		1	1	4	41	101	95	40	7	
Spokane	5,744	24	24	68	189	806	2,069	1,830	590	142	2
Spokane (city)	2,942	17	12	33	102	430	1,078	924	275	71	
Stevens	588	1	7	5	19	71	226	183	64	12	
Thurston	2,181	8	5	21	67	278	723	731	286	58	4
Lacey	234		1	4	6	33	78	76	24	12	
Olympia	676	1	1	2	19	89	229	229	86	17	3
Wahkiakum	53					10	21	15	4	3	
Walla Walla	714	1	4	19	26	90	286	222	64	10	2
Walla Walla (city)	417		2	5	14	58	170	126	35	6	1
Whatcom	1,692	5	10	12	55	189	614	535	222	48	2
Bellingham	633	5	7	8	27	70	236	190	76	13	1
Whitman	537	4	1	9	25	59	236	137	56	10	
Pullman	273	1		4	11	26	129	72	27	3	
Yakima	3,390	9	17	45	117	516	1,274	1,025	321	66	
Yakima (city)	895	4	5	9	31	125	358	259	76	28	

TABLE 10

LIVEBIRTHS BY RACE BY BIRTHWEIGHT, WASHINGTON STATE 1981

Birthweight in Grams	Total	White	Black	Mexican/ Chicano	Indian	Japan- ese	Chin- ese	Filipino	Other Asian	Other	Unknown
1,000 and under	293	218	32	10	12	2	1	1	14	1	2
1,001 - 1,500	307	249	2[illegible]	7	11	3		2	8		
1,501 - 2,000	693	552	49	31	21	4	3	9	20	1	3
2,001 - 2,500	2,374	1,848	192	94	60	15	21	43	96		5
2,501 - 3,000	9,189	7,224	600	367	220	67	62	163	462	1	23
3,001 - 3,500	24,794	20,557	1,123	978	569	189	140	275	895	7	61
3,501 - 4,000	22,352	19,532	685	736	508	115	74	158	488	9	47
4,001 - 4,500	7,862	7,072	172	238	160	24	16	37	130	2	11
4,501 and over	1,802	1,633	36	46	41	3	5	12	23		3
Not Stated	90	55	8	2	3			1	10		11
State Total	69,756	58,940	2,924	2,509	1,605	422	322	701	2,146	21	166

TABLE 11

LIVEBIRTHS BY MOTHER'S AGE BY BIRTHWEIGHT, WASHINGTON STATE 1981

Birthweight in Grams	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	Age Unk.
State Total	69,756	83	8,195	23,634	23,108	11,606	2,736	360	17	17
1,000 and under	293	3	50	97	79	48	14	2		
1,001 - 1,500	307		55	113	88	30	16	5		
1,501 - 2,000	693	2	106	261	214	82	24	4		
2,001 - 2,500	2,374	6	361	873	669	356	98	10	1	
2,501 - 3,000	9,189	18	1,430	3,293	2,784	1,292	318	51	1	2
3,001 - 3,500	24,794	36	3,129	8,731	8,094	3,834	858	101	3	8
3,501 - 4,000	22,352	15	2,288	7,421	7,669	3,926	895	127	7	4
4,001 - 4,500	7,862	3	642	2,347	2,818	1,618	389	43	1	1
4,501 and over	1,802		122	469	665	404	120	17	4	1
Not Stated	90		12	29	28	16	4			1

TABLE 32

MULTIPLE LIVEBIRTHS AND IMMATURE LIVEBIRTHS
BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Sets of Twins	Sets of Triplets	2500 Grams and Under
STATE TOTAL	689	3	3,667
Adams	1		13
Asotin	0		12
Benton	21		117
Kennewick	9		52
Richland	2		26
Chelan	9		36
Wenatchee	5		12
Clallam	10		28
Port Angeles	3		9
Clark	33		152
Vancouver	13		69
Columbia	0		4
Cowlitz	15		65
Kelso	4		9
Longview	6		33
Douglas	5		18
Ferry	1		10
Franklin	6		40
Pasco	3		30
Garfield	0		2
Grant	9		46
Moses Lake	3		11
Grays Harbor	13		51
Aberdeen	5		22
Island	10		30
Oak Harbor	3		10
Jefferson	4		17
King	187	1	981
Auburn	4		31
Bellevue	7		33
Kent	8		26
Kirkland	3		10
Mercer Island	0		5
Redmond	11		34
Renton	5		33
Seattle	60	1	401
Kitsap	16		135
Bremerton	5		47
Kittitas	2		20
Ellensburg	2		10
Klickitat	4		15
Lewis	8		58
Centralia	1		17
Lincoln	2		7
Mason	4		17
Okanogan	4		41
Pacific	5		14
Pend Oreille	3		14
Pierce	104		602
Puyallup	1		19
Tacoma	38		232
San Juan	2		2
Skagit	10		47
Mount Vernon	4		13
Skamania	0		3
Snohomish	59	1	283
Edmonds	5		15
Everett	9		64
Lynnwood	3		34
Mountlake Terrace	2		6
Spokane	48		305
Spokane (city)	23		164
Stevens	10		32
Thurston	20	1	101
Lacey	2		11
Olympia	7		23
Wahkiakum	0		0
Walla Walla	10		40
Walla Walla (city)	8		21
Whatcom	25		82
Bellingham	12		47
Whitman	7		39
Pullman	2		16
Yakima	32		188
Yakima (city)	10		49

MORTALITY

TABLE 13

DEATHS IN WASHINGTON STATE BY SELECTED TOPICS, 1981

A RESIDENCE, RACE BY SEX

		MALE	FEMALE	UNK
Total	32,022	17,302	14,719	1
White	30,441	16,320	14,120	1
Black	661	416	245	
Indian	333	204	129	
Mexican/ Chicano	135	95	40	
Japanese	143	63	80	
Chinese	67	41	26	
Filipino	99	77	22	
Other and Not Stated	143	86	57	

B RESIDENCE, MARITAL STATUS BY SEX

		MALE	FEMALE	UNK
Total	32,022	17,302	14,719	1
Single	3,666	2,462	1,203	1
Married	14,670	10,213	4,457	
Divorced	2,848	1,707	1,141	
Widowed	10,716	2,829	7,887	
Not Stated	122	91	31	

C RESIDENCE, AGE GROUP BY SEX

		MALE	FEMALE	UNK
Total	32,022	17,302	14,719	1
Under 1	731	429	301	1
1 - 4	136	79	57	
5 - 14	163	100	63	
15 - 24	760	560	200	
25 - 34	869	625	244	
35 - 44	988	643	345	
45 - 54	1,910	1,176	734	
55 - 64	4,481	2,804	1,677	
65 - 74	7,381	4,383	2,998	
75 - 84	7,989	4,077	3,912	
85 - 94	5,743	2,161	3,582	
95 & Over	868	262	606	
Unknown	3	3		

D RESIDENCE INFANT DEATHS BY RACE

Total	731
White	613
Black	44
Indian	30
Mexican/ Chicano	14
Japanese	1
Chinese	1
Filipino	5
Other and Not Stated	23

TABLE 13 (CONT)

DEATHS IN WASHINGTON STATE BY SELECTED TOPICS, 198

E MONTH BY RESIDENCE AND OCCURRENCE

	RES.	OCC.
Total	32,022	32,247
January	3,022	3,030
February	2,642	2,670
March	2,742	2,748
April	2,568	2,580
May	2,686	2,688
June	2,503	2,520
July	2,628	2,662
August	2,757	2,780
September	2,405	2,442
October	2,667	2,686
November	2,585	2,605
December	2,817	2,836

F TYPE OF PLACE BY OCCURRANCE

Total	32,247
General Hospital	16,118
Nursing Home	7,339
Home	5,892
Federal Facility	1,204
Psychiatric Hospital	36
State Facility	9
Dead on Arrival	83
Other and Not Stated	1,566

G RESIDENCE BY LEADING CAUSES

	International List Number	Number of Deaths	Percent of Total Deaths
Total		32,022	100.0
1 Diseases of the Heart	391,392.0,393-398, 402,404,410-417, 420-429	11,287	35.2
2 Malignant Neoplasms	140-208	7,063	22.1
3 Cerebrovascular Disease	430-438	2,841	8.9
4 All Accidents	E800-E949	1,858	5.8
5 Influenza and Pneumonia	480-487	909	2.8
6 Suicide	E950-E959	643	2.0
7 Diabetes Mellitus	250	572	1.8
8 Arteriosclerosis	440	553	1.7
9 Cirrhosis of Liver	571	479	1.5
10 Bronchitis, Emphysema, and Asthma	466,490-493	447	1.4
ALL OTHER CAUSES		5,370	16.8

TABLE 14

DEATHS WITH RATES* BY PLACE OF RESIDENCE AND OCCURRENCE, WASHINGTON STATE 1981

	Residence		Occurrence	
	Total	Rate	Total	Rate
STATE TOTAL	32,022	7.5	32,247	7.6
Adams	72	5.5	77	5.9
Asotin	149	8.8	135	7.9
Benton	543	4.8	547	4.8
Kennewick	186	5.4	195	5.6
Richland	195	5.8	279	8.3
Chelan	481	10.4	561	12.1
Wenatchee	248	14.3	415	24.0
Clallam	510	9.7	485	9.2
Port Angeles	201	11.6	305	17.6
Clark	1,409	7.2	1,374	7.0
Vancouver	690	16.2	1,223	28.7
Columbia	47	11.8	35	8.8
Cowlitz	588	7.3	610	7.6
Kelso	104	9.3	21	1.9
Longview	265	8.5	512	16.5
Douglas	158	6.9	82	3.6
Ferry	37	6.2	27	4.5
Franklin	239	6.5	200	5.4
Pasco	181	9.7	186	9.9
Garfield	23	9.6	23	9.6
Grant	317	6.5	263	5.4
Moses Lake	70	6.7	118	11.3
Grays Harbor	642	9.6	556	8.3
Aberdeen	203	10.9	369	19.7
Island	297	6.6	199	4.4
Oak Harbor	52	4.2	62	5.0
Jefferson	143	8.6	102	6.1
King	9,650	7.4	10,259	7.8
Auburn	207	7.4	264	9.5
Bellevue	440	5.8	386	5.1
Kent	152	6.5	92	3.9
Kirkland	193	10.2	364	19.2
Mercer Island	117	5.5	75	3.5
Redmond	136	5.5	230	9.3
Renton	289	9.0	454	14.1
Seattle	5,530	11.2	7,686	15.6
Kitsap	1,076	6.9	1,027	6.5
Bremerton	392	10.6	708	19.1
Kittitas	216	8.8	199	7.9
Ellensburg	87	7.3	137	11.5
Klickitat	144	8.9	99	6.1
Lewis	520	9.2	469	8.3
Centralia	171	14.3	222	18.5
Lincoln	103	10.7	77	8.0
Mason	266	8.3	203	6.4
Okanogan	286	9.3	266	8.6
Pacific	248	13.9	203	11.4
Pend Oreille	63	7.2	53	6.0
Pierce	3,697	7.4	3,852	7.7
Puyallup	204	11.2	519	28.5
Tacoma	1,815	11.4	3,000	18.8
San Juan	64	7.9	50	6.2
Skagit	612	9.4	656	10.1
Mount Vernon	137	10.3	247	18.6
Skamania	37	4.6	22	2.7
Snohomish	2,243	6.3	1,989	5.6
Edmonds	232	8.2	385	13.6
Everett	638	11.4	983	17.6
Lynnwood	140	5.9	56	2.4
Mountlake Terrace	60	3.7	18	1.1
Spokane	2,897	8.3	3,356	9.7
Spokane (city)	1,918	11.2	3,148	18.4
Stevens	225	7.6	167	5.7
Thurston	940	7.3	889	6.9
Lacey	160	11.3	124	8.7
Olympia	317	11.5	668	24.2
Wahkiakum	38	10.0	27	7.1
Walla Walla	463	9.7	598	12.5
Walla Walla (city)	324	12.8	541	21.3
Whatcom	793	7.2	792	7.2
Bellingham	436	9.4	650	14.0
Whitman	200	5.0	153	3.8
Pullman	41	1.7	49	2.1
Yakima	1,586	9.1	1,565	8.9
Yakima (city)	693	13.9	1,134	22.8

*Rates per 1,000 population

TABLE 15

DEATHS BY SEX AND RACE BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Total	Male	Female	Unknown	White	Black	Mexican	Indian	Japanese	Chinese	Filipino	Other Asian	Unknown
STATE TOTAL	32,022	17,302	14,719	1	30,441	661	135	333	143	67	99	103	40
Adams	72	32	40		72								
Asotin	149	85	64		147			2					
Benton	543	313	230		529	3	3				1	5	2
Kennewick	186	102	84		182	2	1				1		
Richland	195	108	87		189	1						4	1
Chelan	481	275	206		477		3						1
Wenatchee	248	128	120		247		1						
Clallam	510	293	217		489	1		16				3	1
Port Angeles	201	110	91		192	1		5				2	1
Clark	1,409	739	670		1,385	8	1	4	1	1	1	6	2
Vancouver	690	355	335		680	3		1		1		3	2
Columbia	47	28	19		47								
Cowlitz	588	303	285		581	2	1	2			1	1	
Kelso	104	54	50		103			1					
Longview	265	127	138		259	2	1	1			1	1	
Douglas	158	89	69		148	1	7	2					
Ferry	37	26	11		27			10					
Franklin	239	132	107		208	21	8		1			1	
Pasco	181	96	85		151	21	7		1			1	
Garfield	23	12	11		23								
Grant	317	190	127		296	6	9	4	1				1
Moses Lake	70	35	35		63	3	3		1				
Grays Harbor	642	352	290		629	3	1	6	1	1		1	
Aberdeen	203	107	96		200	1		1		1			
Island	297	170	127		289	2			2			3	1
Oak Harbor	52	22	30		50	1						1	
Jefferson	143	82	61		141			2					
King	9,650	5,011	4,638	1	8,860	410	10	83	103	58	70	44	12
Auburn	207	107	100		199	1		4	3				
Bellevue	440	219	221		424	4			5	2		3	2
Kent	152	89	63		147			2	2	1			
Kirkland	193	85	108		190			1	1			1	
Mercer Island	117	63	54		114			3					
Redmond	136	66	70		133						1	2	
Renton	289	158	131		278	6		1			1	2	1
Seattle	5,530	2,831	2,698	1	4,855	382	6	63	84	50	58	26	6
Kitsap	1,076	556	520		1,029	19		13	4		8	1	2
Bremerton	392	185	207		377	9		2	1		2		1
Kittitas	216	115	101		213	1		1					1
Ellensburg	87	42	45		86	1							
Klickitat	144	76	68		138		1	4					1
Lewis	520	281	239		518		1					1	
Centralia	171	79	92		170							1	
Lincoln	103	61	42		103								
Mason	266	163	103		258	1		6				1	
Okanogan	286	171	115		266	1	1	16				1	1
Pacific	248	146	102		243	1		3				1	
Pend Oreille	63	33	30		61			2					
Pierce	3,697	2,055	1,642		3,502	119	2	28	16	1	9	16	4
Puyallup	204	95	109		202			2					
Tacoma	1,815	960	855		1,688	82	2	21	7	1	5	7	2
San Juan	64	37	27		64								
Skagit	612	335	277		594		7	9	2				
Mount Vernon	137	69	68		134		3						
Skamania	37	22	15		36			1					
Snohomish	2,243	1,235	1,008		2,208	8		10	3	3	2	8	1
Edmonds	232	115	117		228	1			1			1	1
Everett	638	332	306		626	4		2		1		5	
Lynnwood	140	79	61		134	1				2	2	1	
Mountlake Terrace	60	28	32		59							1	
Spokane	2,897	1,541	1,356		2,827	29		23	7	1		4	5
Spokane (city)	1,918	1,003	915		1,859	26		20	6			2	6
Stevens	225	139	86		214			11					
Thurston	940	498	442		923	5		1	1		1	3	1
Lacey	160	80	80		157	1						2	2
Olympia	317	150	167		314	1					1	1	1
Wahkiakum	38	22	16		38								
Walla Walla	463	228	235		456	2	2	2	1				
Walla Walla (city)	324	152	172		320	2	1		1				
Whatcom	793	423	370		777	1	1	12					2
Bellingham	436	216	220		430	1		4					1
Whitman	200	113	87		195		1	1				3	
Pullman	41	19	22		40			1					
Yakima	1,586	920	666		1,425	17	76	59		2	6		1
Yakima (city)	693	385	308		669	12	5	4		2			1

TABLE 16

DEATHS BY AGE GROUP BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Total	Under 1 Yr	1 - 4 Yrs	5 - 14 Yrs	15-24 Yrs	25-34 Yrs	35-44 Yrs	45-54 Yrs	55-64 Yrs	65-74 Yrs	75-84 Yrs	85 and Over	Age Unk.
STATE TOTAL	32,022	731	136	163	760	869	988	1,910	4,481	7,381	7,989	6,611	3
Adams	72	1	1	2	1	3	6	7	10	11	16	14	
Asotin	149	2	1		5	3	2	3	14	37	41	41	
Benton	543	17	3	6	18	15	22	39	87	120	117	99	
Kennewick	186	7	1	1	8	6	8	18	23	32	40	42	
Richland	195	7		3	7	5	5	7	33	4	43	41	
Chelan	481	5	2		12	11	11	27	47	120	142	104	
Wenatchee	248	4			6	4	5	12	19	63	77	58	
Clallam	510	4		1	7	14	5	26	73	125	145	110	
Port Angeles	201	3		1	3	4	4	9	27	41	60	49	
Clark	1,409	39	6	7	33	60	42	76	198	331	339	278	
Vancouver	690	20	1	4	14	26	19	29	87	162	169	159	
Columbia	47			1		1	1		3	16	13	12	
Cowlitz	588	9	1	4	13	13	17	39	96	133	159	104	
Kelso	104					5	4	9	20	25	30	11	
Longview	265	6		3	7	6	7	15	43	54	73	51	
Douglas	158	2	3	2	2	8	5	3	15	33	40	45	
Ferry	37	2			1	5	7	6	2	5	5	4	
Franklin	239	4	1	1	7	6	7	17	46	64	48	37	1
Pasco	181	4		1	2	5	2	11	32	55	40	28	1
Garfield	23						3		3	4	7	6	
Grant	317	13	2	2	9	9	8	36	51	70	75	42	
Moses Lake	70					4		7	13	15	19	12	
Grays Harbor	642	19	6	1	13	15	17	38	98	154	161	120	
Aberdeen	203	8	2		4	7	2	9	29	41	54	47	
Island	297	6	1	1	11	7	2	10	47	93	63	56	
Oak Harbor	52	3	1		3	5		1	5	15	7	12	
Jefferson	143				4	1	6	7	21	40	36	28	
King	9,650	186	29	44	227	279	325	567	1,400	2,162	2,404	2,026	1
Auburn	207	6		5	10	7	7	12	28	44	51	37	
Bellevue	440	7	1	1	19	16	18	42	68	81	82	104	1
Kent	152	5	1	3	13	5	5	16	31	21	31	21	
Kirkland	193	6	1	2	4	4	4	9	27	35	51	50	
Mercer Island	117	1		1	7	3	3	12	18	30	21	21	
Redmond	136	6			4	3	14	9	18	29	22	31	
Renton	289	7	1	1	10	7	11	26	51	71	60	44	
Seattle	5,530	89	10	8	79	156	140	258	771	1,283	1,496	1,240	
Kitsap	1,076	39		8	28	24	32	54	141	259	274	217	
Bremerton	392	13		1	5	13	12	21	50	71	109	97	
Kittitas	216	3	1	1	4	4	4	9	27	60	46	57	
Ellensburg	87	2			3	1	2	3	7	20	22	27	
Klickitat	144	6	2		3	3	1	11	17	39	45	26	
Lewis	520	14	1	2	13	6	10	22	71	121	142	118	
Centralia	171	3		1	3	1	1	4	19	30	55	54	
Lincoln	103	1	1		1	1	2	9	12	29	23	24	
Mason	266	2	1	4	7	7	5	23	41	74	63	39	
Okanogan	286	6	3	3	9	7	11	15	32	71	76	53	
Pacific	248	4	2		5	6	9	16	38	67	57	44	
Pend Oreille	63	1		2	1	1	3	5	8	7	18	17	
Pierce	3,697	129	15	15	99	105	123	255	553	823	858	721	1
Puyallup	204	7			5	2	11	13	17	42	60	47	
Tacoma	1,815	61	9	4	36	48	51	102	237	389	2	415	1
San Juan	64	1	1			2		2	11	17	17	13	
Skagit	612	8	4	1	13	18	17	25	75	169	152	130	
Mount Vernon	137	3			1	6	6	6	18	37	36	24	
Skamania	37				2	2	1		9	12	8	3	
Snohomish	2,243	62	10	11	46	70	81	181	323	498	553	408	
Edmonds	232	6		3	5	6	7	20	33	40	59	53	
Everett	638	13	1	2	10	19	19	39	81	144	170	140	
Lynnwood	140	6	2	2	4	6	5	16	18	33	31	17	
Mountlake Terrace	60	1	1		2	2	2	10	10	9	18	5	
Spokane	2,897	56	12	18	65	72	76	163	365	677	712	681	
Spokane (city)	1,918	33	6	4	26	43	43	94	232	461	506	470	
Stevens	225	8	4	6	11	2	10	18	31	42	49	44	
Thurston	940	22	2	2	18	27	25	53	143	212	255	181	
Lacey	160	2		1	2	2	2	8	20	28	45	50	
Olympia	317	4			6	11	7	16	36	64	100	73	
Wahkiakum	38	1	1				1	2	3	8	13	9	
Walla Walla	463	8	1	4	10	10	15	17	49	88	136	125	
Walla Walla (city)	324	7	1	2	4	4	10	10	35	60	104	87	
Whatcom	793	15	5	3	17	18	18	36	88	174	214	205	
Bellingham	436	11	1		7	5	8	11	47	98	123	125	
Whitman	200	4	3	1	4	2	6	14	20	38	55	53	
Pullman	41	4	1		1	1		3	3	8	11	9	
Yakima	1,586	32	11	10	41	32	52	79	213	387	412	317	
Yakima (city)	693	10	3	3	11	12	14	29	85	167	193	166	

TABLE 17

DEATHS WITH RATES* BY SELECTED CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Diseases of the Heart Number	Rate	Malignant Neoplasms Number	Rate	Cerebrovascular Disease Number	Rate	General Arteriosclerosis Number	Rate
STATE TOTAL	11,287	255.6	7,063	166.2	2,841	66.8	553	13.0
Adams	22	167.9	18	137.4	4	30.5	3	22.9
Asotin	49	288.2	30	176.5	19	111.8	5	29.4
Benton	164	144.6	123	108.5	44	38.8	2	1.8
Kennewick	64	184.4	32	92.2	11	31.7	1	2.9
Richland	59	175.1	43	127.6	19	56.4	1	3.0
Chelan	167	361.5	106	229.4	55	119.0	12	26.0
Wenatchee	87	502.9	53	306.4	27	156.1	8	46.2
Clallam	189	360.0	111	211.4	46	87.6	10	19.0
Port Angeles	69	398.8	40	231.2	27	156.1	5	28.9
Clark	520	265.6	305	155.8	102	52.1	23	11.7
Vancouver	262	615.0	142	333.3	52	122.1	14	32.9
Columbia	19	475.0	10	250.0	7	175.0		.0
Cowlitz	227	282.0	127	157.8	45	55.9	9	11.2
Kelso	40	358.7	25	224.2	12	107.6		.0
Longview	102	328.0	58	186.5	19	61.1	6	19.3
Douglas	57	250.0	38	166.7	18	78.9	3	13.2
Ferry	13	216.7	2	33.3	1	16.7		.0
Franklin	86	234.3	48	130.8	16	43.6	2	5.4
Pasco	67	358.3	39	208.6	12	64.2	2	10.7
Garfield	10	416.7	3	125.0	2	83.3	1	41.7
Grant	101	207.8	71	146.1	19	39.1	5	10.3
Moses Lake	23	221.2	17	163.5	5	48.1	4	38.5
Grays Harbor	241	360.8	149	223.1	66	98.8	10	15.0
Aberdeen	69	369.0	54	288.8	22	117.6	3	16.0
Island	94	208.0	75	165.9	23	50.9	3	6.6
Oak Harbor	17	138.0	15	121.8	3	24.4		.0
Jefferson	45	271.1	45	271.1	9	54.2	3	18.1
King	3,280	250.4	2,149	164.1	877	67.0	135	10.3
Auburn	73	262.6	38	136.7	24	86.3	4	14.4
Bellevue	126	166.9	111	147.0	38	50.3	7	9.3
Kent	53	226.5	32	136.8	9	38.5	1	4.3
Kirkland	58	305.3	43	226.3	15	78.9	7	36.8
Mercer Island	39	182.2	29	135.5	9	42.1		.0
Redmond	40	162.6	33	134.1	10	40.7	3	12.2
Renton	105	326.1	72	223.6	20	62.1	6	18.6
Seattle	1,963	398.8	1,206	245.0	527	107.1	63	12.8
Kitsap	411	262.1	243	155.0	65	41.5	12	7.7
Bremerton	145	391.9	87	235.1	26	70.3	5	13.5
Kittitas	72	286.9	51	203.2	17	67.7	6	23.9
Ellensburg	24	201.7	20	168.1	8	67.2	2	16.8
Klickitat	42	259.3	35	216.0	14	86.4	3	18.5
Lewis	186	328.0	122	215.2	55	97.0	9	15.9
Centralia	62	516.7	37	308.3	21	175.0	4	33.3
Lincoln	50	520.8	19	197.9	7	72.9	2	20.8
Mason	93	291.5	65	203.8	22	69.0	3	9.4
Okanogan	108	349.5	68	220.1	20	64.7	3	9.7
Pacific	88	494.4	53	297.8	14	78.7	2	11.2
Pend Oreille	20	227.3	9	102.3	10	113.6		.0
Pierce	1,262	251.7	819	163.4	369	73.6	66	13.2
Puyallup	86	472.5	45	247.3	18	98.9	1	5.5
Tacoma	602	376.7	388	242.8	221	138.3	39	24.4
San Juan	23	284.0	11	135.8	7	86.4	1	12.3
Skagit	250	385.2	116	178.7	54	83.2	14	21.6
Mount Vernon	59	443.6	24	180.5	8	60.2	3	22.6
Skamania	16	197.5	7	86.4	3	37.0		.0
Snohomish	778	220.1	508	143.7	183	51.8	64	18.1
Edmonds	84	296.8	50	176.7	13	45.9	3	10.6
Everett	198	353.6	136	242.9	66	117.9	41	73.2
Lynnwood	50	211.0	33	139.2	4	16.9	2	8.4
Mountlake Terrace	18	111.1	12	74.1	7	43.2	1	6.2
Spokane	1,060	304.9	629	181.0	264	75.9	71	20.4
Spokane (city)	702	410.0	403	235.4	185	108.1	53	31.0
Stevens	60	203.4	44	149.2	21	71.2	5	16.9
Thurston	353	273.4	244	189.0	68	52.7	4	3.1
Lacey	62	436.6	39	274.6	10	70.4		.0
Olympia	132	478.3	75	271.7	25	90.6		.0
Wahkiakum	14	368.4	5	131.6	4	105.3	2	52.6
Walla Walla	163	340.3	71	148.2	49	102.3	14	29.2
Walla Walla (city)	108	425.2	48	189.0	41	161.4	11	43.3
Whatcom	292	265.7	178	162.0	71	64.6	20	18.2
Bellingham	171	368.5	93	200.4	38	81.9	17	36.6
Whitman	71	175.7	44	108.9	21	52.0	1	2.5
Pullman	12	50.4	8	33.6	5	21.0		.0
Yakima	591	337.7	312	178.3	150	85.7	25	14.3
Yakima (city)	275	552.2	134	269.1	70	140.6	16	32.1

*Rate per 100,000 estimated population.

TABLE 18

DEATHS WITH RATES* BY SELECTED CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Influenza and Pneumonia		Diabetes Mellitus		Congenital Malformations		Certain Causes of Mortality in Early Infancy	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
STATE TOTAL	909	21.4	572	13.5	261	6.1	312	7.3
Adams	1	7.6	4	30.5	1	7.6	1	7.6
Asotin	2	11.8	1	5.9		.0	1	5.9
Benton	13	11.5	12	10.6	8	7.1	8	7.1
Kennewick	5	14.4	6	17.3	2	5.8	4	11.5
Richland	6	17.8	3	8.9	4	11.9	2	5.9
Chelan	10	21.6	7	15.2	1	2.2	2	4.3
Wenatchee	6	34.7	6	34.7	1	5.8	1	5.8
Clallam	13	24.8	11	21.0		.0	3	5.7
Port Angeles	5	28.9	4	23.1		.0	3	17.3
Clark	38	19.4	30	15.3	13	6.6	20	10.2
Vancouver	21	49.3	13	30.5	6	14.1	10	23.5
Columbia		.0		.0		.0		.0
Cowlitz	24	29.8	9	11.2	5	6.2	3	3.7
Kelso	2	17.9	2	17.9		.0		.0
Longview	13	41.8	6	19.3	3	9.6	2	6.4
Douglas	2	8.8	2	8.8	2	8.8	1	4.4
Ferry		.0	1	16.7		.0		.0
Franklin	4	10.9	7	19.1	4	10.9	2	5.4
Pasco	3	16.0	6	32.1	4	21.4	2	10.7
Garfield		.0		.0		.0		.0
Grant	6	12.3	15	30.9	3	6.2	4	8.2
Moses Lake	1	9.6	5	48.1		.0		.0
Grays Harbor	8	12.0	7	10.5	6	9.0	8	12.0
Aberdeen	4	21.4	1	5.3	2	10.7	5	26.7
Island	12	26.5	8	17.7	4	8.8	3	6.6
Oak Harbor	1	8.1	2	16.2	2	16.2	1	8.1
Jefferson	5	30.1	4	24.1		.0		.0
King	319	24.4	161	12.3	62	4.7	93	7.1
Auburn	6	21.6	5	18.0	2	7.2	3	10.8
Bellevue	14	18.5	8	10.6	6	7.9	2	2.6
Kent	2	8.5		.0	3	12.8	3	12.8
Kirkland	10	52.6	1	5.3		.0	4	21.1
Mercer Island	7	32.7		.0		.0		.0
Redmond	1	4.1	4	16.3	5	20.3	2	8.1
Renton	10	31.1	4	12.4	1	3.1	4	12.4
Seattle	184	37.4	103	20.9	21	4.3	44	8.9
Kitsap	37	23.6	20	12.8	11	7.0	14	8.9
Bremerton	17	45.9	7	18.9	2	5.4	5	13.5
Kittitas	6	23.9	2	8.0	1	4.0		.0
Ellensburg	4	33.6	1	8.4		.0		.0
Klickitat	8	49.4		.0	2	12.3	2	12.3
Lewis	16	28.2	10	17.6	4	7.1	8	14.1
Centralia	3	25.0	1	8.3	2	16.7	1	8.3
Lincoln	3	31.3		.0	2	20.8		.0
Mason	9	28.2	4	12.5	2	6.3		.0
Okanogan	7	22.7	7	22.7	4	12.9	2	6.5
Pacific	4	22.5	6	33.7	2	11.2		.0
Pend Oreille	3	34.1	1	11.4		.0	1	11.4
Pierce	91	18.2	66	13.2	38	7.6	56	11.2
Puyallup	6	33.0	6	33.0	5	27.5	2	11.0
Tacoma	52	32.5	29	18.1	16	10.0	27	16.9
San Juan	4	49.4	1	12.3	1	12.3		.0
Skagit	17	26.2	10	15.4	2	3.1	4	6.2
Mount Vernon	3	22.6	1	7.5		.0	3	22.6
Skamania	1	12.3	1	12.3		.0		.0
Snohomish	54	15.3	38	10.8	25	7.1	21	5.9
Edmonds	14	49.5	2	7.1	3	10.6	2	7.1
Everett	15	26.8	8	14.3	5	8.9	5	8.9
Lynnwood	3	12.7	4	16.9	5	21.1	3	12.7
Mountlake Terrace	2	12.3	1	6.2	1	6.2	1	6.2
Spokane	65	18.7	51	14.7	25	7.2	25	7.2
Spokane (city)	45	26.3	35	20.4	11	6.4	15	8.8
Stevens	6	20.3	2	6.8	2	6.8	3	10.2
Thurston	20	15.5	17	13.2	6	4.6	9	7.0
Lacey	4	28.2	1	7.0	1	7.0		.0
Olympia	10	36.2	4	14.5	2	7.2		.0
Wahkiakum		.0		.0		.0		.0
Walla Walla	15	31.3	13	27.1	5	10.4		.0
Walla Walla (city)	9	35.4	10	39.4	3	11.8		.0
Whatcom	24	21.8	18	16.4	8	7.3	4	3.6
Bellingham	13	28.0	9	19.4	4	8.6	4	8.6
Whitman	3	7.4	4	9.9	2	5.0	2	5.0
Pullman	1	4.2		.0		.0	2	8.4
Yakima	59	33.7	22	12.6	10	5.7	12	6.9
Yakima (city)	28	56.2	10	20.1	2	4.0	2	4.0

*Rates per 100,000 estimated population

TABLE 19

DEATHS WITH RATES* BY SELECTED CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Bronchitis, Emphysema and Asthma Number	Rate	Alcoholism Number	Rate	Cirrhosis of the Liver With Mention of Alcoholism Number	Without Mention of Alcoholism Number	Total Number	Rate	Chronic and Unspecified Nephritis Number	Rate
STATE TOTAL	447	10.5	105	2.5	248	231	479	11.3	34	.8
Adams	1	7.6	.0					.0		.0
Asotin	1	5.9		.0	1	1	2	11.8		.0
Benton	5	4.4		.0	8	3	11	9.7		.0
Kennewick		.0		.0	4	2	6	17.3		.0
Richland	2	5.9		.0	3	1	4	11.9		.0
Chelan	6	13.0	1	2.2		3	3	6.5	1	2.2
Wenatchee	4	23.1	1	5.8		1	1	5.8	1	5.8
Clallam	5	9.5	1	1.9	2	1	3	5.7		.0
Port Angeles	2	11.6		.0	1		1	5.8		.0
Clark	14	7.2	1	.5	7	9	16	8.2		.0
Vancouver	8	18.8	1	2.3	2	4	6	14.1		.0
Columbia	3	75.0		.0				.0		.0
Cowlitz	10	12.4	2	2.5	9	4	13	16.1	1	1.2
Kelso	2	17.9	1	9.0	3	1	4	35.9		.0
Longview	5	16.1		.0	3	1	4	12.9	1	3.2
Douglas	1	4.4		.0		1	1	4.4		.0
Ferry		.0		.0		1	1	16.7		.0
Franklin	6	16.3	2	5.4	4	4	8	21.8	1	2.7
Pasco	5	26.7	2	10.7	1	4	5	26.7	1	5.3
Garfield	1	41.7		.0				.0		.0
Grant	1	2.1		.0	4	2	6	12.3		.0
Moses Lake	1	9.6		.0				.0		.0
Grays Harbor	3	4.5	2	3.0	5	2	7	10.5		.0
Aberdeen	1	5.3	1	5.3	2	1	3	16.0		.0
Island	4	8.8		.0	2	4	6	13.3		.0
Oak Harbor		.0		.0		2	2	16.2		.0
Jefferson	4	24.1		.0	1		1	6.0		.0
King	136	10.4	34	2.6	85	86	171	13.1	10	.8
Auburn	4	14.4		.0		3	3	10.8		.0
Bellevue	12	15.9	2	2.6	3	2	5	6.6		.0
Kent	3	12.8		.0	1	1	2	8.5	1	4.3
Kirkland	2	10.5	2	10.5	1	1	2	10.5		.0
Mercer Island		.0		.0		1	1	4.7	1	4.7
Redmond	3	12.2		.0	1	2	3	12.2		.0
Renton		.0		.0	4	3	7	21.7	1	3.1
Seattle	76	15.4	21	4.3	58	51	109	22.1	5	1.0
Kitsap	20	12.8	1	.6	9	8	17	10.8		.0
Bremerton	11	29.7		.0	2	1	3	8.1		.0
Kittitas	5	19.9		.0	2	4	6	23.9		.0
Ellersburg	2	16.8		.0	1	2	3	25.2		.0
Klickitat	1	6.2	2	12.3		1	1	6.2	1	6.2
Lewis	7	12.3		.0	2	2	4	7.1		.0
Centralia	2	16.7		.0	1		1	8.3		.0
Lincoln	2	20.8		.0	2	1	3	31.3	1	10.4
Mason	4	12.5		.0	2	4	6	18.8		.0
Okanogan	5	16.2	1	3.2	1	2	3	9.7		.0
Pacific	4	22.5	1	5.6	4	2	6	33.7		.0
Pend Oreille	2	22.7		.0				.0		.0
Pierce	47	9.4	11	2.2	29	26	55	11.0	4	.8
Puyallup	2	11.0		.0				.0	1	5.5
Tacoma	22	13.8	5	3.1	19	10	29	18.1	1	.6
San Juan	1	12.3		.0				.0		.0
Skagit	7	10.8	2	3.1	3	2	5	7.7	1	1.5
Mount Vernon	1	7.5		.0	2		2	15.0	1	7.5
Skamania	1	12.3	1	12.3				.0		.0
Snohomish	26	7.4	17	4.8	20	18	38	10.8	4	1.1
Edmonds	1	3.5	1	3.5	1	2	3	10.6		.0
Everett	6	10.7	10	17.9	10	3	13	23.2		.0
Lynnwood	2	8.4	1	4.2		2	2	8.4		.0
Mountlake Terrace	1	6.2		.0		3	3	18.5	2	12.3
Spokane	47	13.5	11	3.2	20	9	29	8.3	5	1.4
Spokane (city)	34	19.9	11	6.4	15	7	22	12.9	4	2.3
Stevens	2	6.8	2	6.8	2	4	6	20.3		.0
Thurston	14	10.8	4	3.1	8	7	15	11.6	2	1.5
Lacey	3	21.1	1	7.0		1	1	7.0	1	7.0
Olympia	7	25.4	2	7.2	1	3	4	14.5	1	3.6
Wahkiakum	3	78.9		.0		1	1	26.3		.0
Walla Walla	12	25.1	3	6.3	2	2	4	8.4		.0
Walla Walla (city)	11	43.3	3	11.8	2	2	4	15.7		.0
Whatcom	9	8.2	1	.9	4	3	7	6.4	1	.9
Bellingham	8	17.2	1	2.2	2	1	3	6.5		.0
Whitman		.0	1	2.5		1	1	2.5	1	2.5
Pullman		.0	.0					.0		.0
Yakima	27	15.4	4	2.3	10	13	23	13.1	1	.6
Yakima (City)	19	38.2	1	2.0	2	6	8	16.1		.0

*Rate per 100,000 estimated population

TABLE 20

DEATHS BY CERTAIN INFECTIVE AND PARASITIC DISEASES BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Total	Tuberculosis All Forms	Septicaemia and Pyemia	All Other Causes
STATE TOTAL	213	24	100	89
Adams	0			
Asotin	0			
Benton	3			3
Kennewick	1			1
Richland	1			1
Chelan	4	2	1	1
Wenatchee	3	1	1	1
Clallam	7	1	5	1
Port Angeles	4	1	2	1
Clark	7	1	3	3
Vancouver	2		1	1
Columbia	0			
Cowlitz	0			
Kelso	0			
Longview	0			
Douglas	0			
Ferry	0			
Franklin	0			
Pasco	0			
Garfield	0			
Grant	3		2	1
Moses Lake	2		2	
Grays Harbor	7		4	3
Aberdeen	3		3	
Island	0			
Oak Harbor	0			
Jefferson	8			
King	78	9	41	28
Auburn	1		1	
Bellevue	2			2
Kent	1		1	
Kirkland	1		1	
Mercer Island	1		1	
Redmond	0			
Renton	1			1
Seattle	52	9	29	14
Kitsap	3		2	1
Bremerton	1		1	
Kittitas	2			2
Ellensburg	0			
Klickitat	0			
Lewis	1			1
Centralia	1			1
Lincoln	1		1	
Mason	2	2		
Okanogan	1			1
Pacific	4		1	3
Pend Oreille	0			
Pierce	19	3	8	8
Puyallup	0			
Tacoma	12	3	4	5
San Juan	0			
Skagit	2		2	
Mount Vernon	0			
Skamania	0			
Snohomish	13	1	8	4
Edmonds	0			
Everett	7		4	3
Lynnwood	1		1	
Mountlake Terrace	0			
Spokane	25	1	11	13
Spokane (city)	19	1	9	9
Stevens	3			3
Thurston	4	1	2	1
Lacey	1		1	
Olympia	1	1		
Wahkiakum	0			
Walla Walla	1			1
Walla Walla (city)	1			1
Whatcom	7		4	3
Bellingham	3		2	1
Whitman	4			4
Pullman	1			1
Yakima	12	3	5	4
Yakima (city)	7	2	3	2

TABLE 21

DEATHS WITH RATES* BY EXTERNAL CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	All Accidents Number	All Accidents Rate	Motor Vehicle Number	Motor Vehicle Rate	Falls Number	Falls Rate	Drowning Number	Drowning Rate	Fires Number	Fires Rate	All Other Accidents Number	All Other Accidents Rate
STATE TOTAL	1,858	43.7	911	21.4	264	6.3	188	4.4	66	1.6	427	10.0
Adams	9	68.7	4	30.5	1	7.6		.0		.0	4	30.5
Asotin	7	41.2	4	23.5		.0	1	5.9		.0	2	11.8
Benton	33	29.1	20	17.6	2	1.8	3	2.6		.0	8	7.1
Kennewick	15	43.2	9	25.9	1	2.9	1	2.9		.0	4	11.5
Richland	7	20.8	2	5.9	1	3.0	1	3.0		.0	3	8.9
Chelan	32	69.3	15	32.5	11	23.8	1	2.2	2	4.3	3	6.5
Wenatchee	11	63.6	3	17.3	6	34.7		.0		.0	2	11.6
Clallam	23	43.8	12	22.9	4	7.6	3	5.7	2	3.8	2	3.8
Port Angeles	8	46.2	3	17.3	3	17.3	2	11.6		.0		.0
Clark	86	43.9	40	20.4	14	7.2	9	4.6		.0	23	11.7
Vancouver	33	77.5	20	46.9	8	18.8	2	4.7		.0	3	7.0
Columbia	3	75.0	1	25.0		.0		.0		.0	2	50.0
Cowlitz	27	33.5	17	21.1	1	1.2	3	3.7		.0	6	7.5
Kelso	2	17.9	1	9.0		.0	1	9.0		.0		.0
Longview	9	28.9	7	22.5		.0		.0		.0	2	6.4
Douglas	16	70.2	6	26.3	5	21.9		.0	4	17.5	1	4.4
Ferry	11	183.3	5	83.3*	1	16.7		.0		.0	5	83.3
Franklin	24	65.4	9	24.5	3	8.2	3	8.2		.0	9	24.5
Pasco	10	53.5	5	26.7	1	5.3	2	10.7		.0	2	10.7
Garfield	2	83.3	1	41.7		.0		.0		.0	1	41.7
Grant	28	57.6	16	32.9	1	2.1	4	8.2	2	4.1	5	10.3
Moses Lake	1	9.6		.0		.0	1	9.6		.0		.0
Grays Harbor	33	49.4	16	24.0	5	7.5	2	3.0		.0	10	15.0
Aberdeen	9	48.1	4	21.4	1	5.3		.0		.0	4	21.4
Island	20	44.2	13	28.8	2	4.4	1	2.2		.0	4	8.8
Oak Harbor	6	48.7	4	32.5	1	8.1	1	8.1		.0		.0
Jefferson	7	42.2	2	12.0		.0	2	12.0	1	6.0	2	12.0
King	521	39.8	236	18.0	94	7.2	54	4.1	20	1.5	117	8.9
Auburn	16	57.6	13	46.8		.0	1	3.6		.0	2	7.2
Bellevue	31	41.1	16	21.2	5	6.6	2	2.6		.0	8	10.6
Kent	13	55.6	9	38.5		.0	2	8.5		.0	2	8.5
Kirkland	9	47.4	4	21.1	2	10.5		.0		.0	3	15.8
Mercer Island	9	42.1	6	28.0		.0	1	4.7		.0	2	9.3
Redmond	10	40.7	4	16.3		.0	2	8.1		.0	4	16.3
Renton	16	49.7	8	24.8	2	6.2	2	6.2		.0	4	12.4
Seattle	252	51.2	92	18.7	65	13.2	31	6.3	14	2.8	50	10.2
Kitsap	54	34.4	25	15.9	11	7.0	6	3.8	2	1.3	10	6.4
Bremerton	17	45.9	5	13.5	6	16.2	2	5.4	1	2.7	3	8.1
Kittitas	14	55.8	10	39.8	1	4.0	1	4.0	1	4.0	1	4.0
Ellensburg	3	25.2	2	16.8		.0		.0	1	8.4		.0
Klickitat	4	24.7	3	18.5		.0		.0		.0	1	6.2
Lewis	31	54.7	19	33.5	1	1.8	2	3.5		.0	9	15.9
Centralia	5	41.7	3	25.0	1	8.3		.0		.0	1	8.3
Lincoln	5	52.1		.0	2	20.8		.0		.0	3	31.3
Mason	23	72.1	11	34.5		.0	6	18.8	3	9.4	3	9.4
Okanogan	19	61.5	14	45.3		.0	1	3.2		.0	4	12.9
Pacific	22	123.6	5	28.1	3	16.9	7	39.3	1	5.6	6	33.7
Pend Oreille	5	56.8		.0		.0	1	11.4		.0	4	45.5
Pierce	210	41.9	109	21.7	24	4.8	20	4.0	3	.6	54	10.8
Puyallup	7	38.5	3	16.5		.0		.0		.0	4	22.0
Tacoma	88	55.1	40	25.0	13	8.1	9	5.6	1	.6	25	15.6
San Juan	2	24.7		.0	1	12.3		.0		.0	1	12.3
Skagit	34	52.4	20	30.8	6	9.2	2	3.1	2	3.1	4	6.2
Mount Vernon	9	67.7	3	22.6	4	30.1		.0	1	7.5	1	7.5
Skamania	3	37.0	3	37.0		.0		.0		.0		.0
Snohomish	144	40.7	66	18.7	20	5.7	20	5.7	8	2.3	30	8.5
Edmonds	16	56.5	6	21.2	3	10.6	1	3.5		.0	6	21.2
Everett	31	55.4	11	19.6	7	12.5	7	12.5	2	3.6	4	7.1
Lynnwood	10	42.2	5	21.1	1	4.2		.0		.0	4	16.9
Mountlake Terrace	4	24.7	3	18.5	1	6.2		.0		.0		.0
Spokane	135	38.8	68	19.6	20	5.8	15	4.3	5	1.4	27	7.8
Spokane (city)	63	36.8	30	17.5	14	8.2	4	2.3	3	1.8	12	7.0
Stevens	27	91.5	17	57.6	1	3.4	2	6.8		.0	7	23.7
Thurston	47	36.4	25	19.4	6	4.6	2	1.5	3	2.3	11	8.5
Lacey	10	70.4	3	21.1	4	28.2		.0	1	7.0	2	14.1
Olympia	16	58.0	7	25.4	1	3.6	1	3.6	2	7.2	5	18.1
Wahkiakum	2	52.6	1	26.3		.0		.0		.0	1	26.3
Walla Walla	36	75.2	13	27.1	8	16.7	2	4.2		.0	13	27.1
Walla Walla (city)	23	90.6	7	27.6	5	19.7	1	3.9		.0	10	39.4
Whatcom	38	34.6	20	18.2	7	6.4	4	3.6	2	1.8	5	4.5
Bellingham	13	28.0	6	12.9	3	6.5		.0	2	4.3	2	4.3
Whitman	14	34.7	8	19.8	3	7.4		.0		.0	3	7.4
Pullman	2	8.4	1	4.2	1	4.2		.0		.0		.0
Yakima	107	61.1	57	32.6	8	4.6	11	6.3	5	2.9	26	14.9
Yakima (city)	32	64.3	15	30.1	4	8.0	2	4.0	3	6.0	8	16.1

*Rate per 100,000 estimated population.

TABLE 22

DEATHS WITH RATES* BY EXTERNAL CAUSES BY PLACE OF OCCURRENCE, WASHINGTON STATE 1981

County and City	All Accidents		Motor Vehicle		Falls		Drowning		Fire		All Other Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
STATE TOTAL	1,860	43.8	942	22.2	267	6.3	176	4.1	68	1.6	407	9.6
Adams	11	84.0	8	61.1	1	7.6		.0		.0	2	15.3
Asotin	5	29.4	4	23.5		.0		.0		.0	1	5.9
Benton	64	56.4	39	34.4	6	5.3	5	4.4	1	.9	13	11.5
Kennewick	15	43.2	9	25.9		.0	3	8.6		.0	3	8.6
Richland	37	109.8	22	65.3	6	17.8	1	3.0	1	3.0	7	20.8
Chelan	46	99.6	20	43.3	16	34.6	4	8.7	1	2.2	5	10.8
Wenatchee	31	179.2	11	63.6	15	86.7		.0	1	5.8	4	23.1
Clallam	20	38.1	11	21.0	2	3.8	1	1.9	2	3.8	4	7.6
Port Angeles	10	57.8	6	34.7	1	5.8	1	5.8		.0	2	11.6
Clark	63	32.2	31	15.8	10	5.1	6	3.1	1	.5	15	7.7
Vancouver	53	124.4	28	65.7	9	21.1	4	9.4	1	2.3	11	25.8
Columbia	3	75.0		.0		.0		.0		.0	3	75.0
Cowlitz	36	44.7	20	24.8		.0		.0		.0	16	19.9
Kelso	1	9.0		.0		.0		.0		.0	1	9.0
Longview	21	67.5	14	45.0		.0		.0		.0	7	22.5
Douglas	7	30.7	3	13.2		.0		.0	4	17.5		.0
Ferry	10	166.7	3	50.0		.0	2	33.3		.0	5	83.3
Franklin	18	49.0	7	19.1	2	5.4	3	8.2		.0	6	16.3
Pasco	12	64.2	4	21.4	2	10.7	2	10.7		.0	4	21.4
Garfield	7	291.7	5	208.3		.0		.0		.0	2	83.3
Grant	24	49.4	14	28.8	1	2.1	4	8.2	2	4.1	3	6.2
Moses Lake	6	57.7	4	38.5	1	9.6	1	9.6		.0		.0
Grays Harbor	39	58.4	14	21.0	7	10.5	6	9.0		.0	12	18.0
Aberdeen	15	80.2	5	26.7	5	26.7	1	5.3		.0	4	21.4
Island	13	28.8	8	17.7	1	2.2	1	2.2		.0	3	6.6
Oak Harbor	7	56.8	5	40.6	1	8.1		.0		.0	1	8.1
Jefferson	7	42.2	5	30.1		.0	1	6.0	1	6.0		.0
King	476	36.3	220	16.8	98	7.5	38	2.9	27	2.1	93	7.1
Auburn	11	39.6	5	18.0	1	3.6	2	7.2	1	3.6	2	7.2
Bellevue	13	17.2	5	6.6	4	5.3		.0		.0	4	5.3
Kent	13	55.6	9	38.5		.0	1	4.3		.0	3	12.8
Kirkland	12	63.2	6	31.6	3	15.8	1	5.3		.0	2	10.5
Mercer Island	6	28.0	4	18.7		.0	1	4.7		.0	1	4.7
Redmond	7	28.5	6	24.4	1	4.1		.0		.0		.0
Renton	22	68.3	16	49.7	3	9.3	1	3.1		.0	2	6.2
Seattle	329	66.8	139	28.2	81	16.5	25	5.1	24	4.9	60	12.2
Kitsap	53	33.8	26	16.6	11	7.0	2	1.3	2	1.3	12	7.7
Bremerton	31	83.8	14	37.8	8	21.6	1	2.7		.0	8	21.6
Kittitas	21	83.7	14	55.8		.0	4	15.9	1	4.0	2	8.0
Ellensubrg	9	75.6	6	50.4		.0	1	8.4	1	8.4	1	8.4
Klickitat	6	37.0	3	18.5		.0		.0		.0	3	18.5
Lewis	30	52.9	18	31.7	2	3.5	3	5.3		.0	7	12.3
Centralia	6	50.0	4	33.3	2	16.7		.0		.0		.0
Lincoln	5	52.1	1	10.4	2	20.8	1	10.4		.0	1	10.4
Mason	16	50.2	5	15.7		.0	2	6.3	3	9.4	6	18.8
Okanogan	21	68.0	14	45.3		.0	3	9.7		.0	4	12.9
Pacific	19	106.7	5	28.1		.0	11	61.8	1	5.6	2	11.2
Pend Oreille	6	68.2		.0		.0	2	22.7		.0	4	45.5
Pierce	208	41.5	107	21.3	23	4.6	17	3.4	3	.6	58	11.6
Puyallup	12	65.9	7	38.5	2	11.0		.0		.0	3	16.5
Tacoma	136	85.1	75	46.9	18	11.3	8	5.0	1	.6	34	21.3
San Juan	6	74.1		.0		.0	4	49.4		.0	2	24.7
Skagit	36	55.5	21	32.4	7	10.8	3	4.6	1	1.5	4	6.2
Mount Vernon	11	82.7	7	52.6	2	15.0	1	7.5	1	7.5		.0
Skamania	10	123.5	8	98.8	1	12.3		.0		.0	1	12.3
Snohomish	134	37.9	67	19.0	20	5.7	21	5.9	4	1.1	22	6.2
Edmonds	25	88.3	11	38.9	4	14.1	3	10.6		.0	7	24.7
Everett	58	103.6	35	62.5	8	14.3	8	14.3	2	3.6	5	8.9
Lynnwood	3	12.7		.0	1	4.2		.0		.0	2	8.4
Mountlake Terrace	1	6.2	1	6.2		.0		.0		.0		.0
Spokane	158	45.5	83	23.9	24	6.9	13	3.7	5	1.4	33	9.5
Spokane (city)	131	76.5	73	42.6	23	13.4	8	4.7	5	2.9	22	12.9
Stevens	27	91.5	18	61.0		.0		.0		.0	9	30.5
Thurston	52	40.3	30	23.2	6	4.6	4	3.1	1	.8	11	8.5
Lacey	5	35.2	3	21.1	2	14.1		.0		.0		.0
Olympia	38	137.7	20	72.5	3	10.9	3	10.9	1	3.6	11	39.9
Wahkiakum	5	131.6	2	52.6		.0	1	26.3	1	26.3	1	26.3
Walla Walla	33	68.9	14	29.2	7	14.6	3	6.3		.0	9	18.8
Walla Walla (city)	23	90.6	7	27.6	7	27.6	2	7.9		.0	7	27.6
Whatcom	48	43.7	29	26.4	9	8.2	3	2.7	2	1.8	5	4.5
Bellingham	23	49.6	12	25.9	6	12.9	1	2.2	2	4.3	2	4.3
Whitman	21	52.0	12	29.7	3	7.4	1	2.5		.0	5	12.4
Pullman	5	21.0	2	8.4	1	4.2		.0		.0	2	8.4
Yakima	96	54.9	53	30.3	8	4.6	7	4.0	5	2.9	23	13.1
Yakima (city)	53	106.4	26	52.2	8	16.1	3	6.0	4	8.0	12	24.1

*Rate per 100,000 estimated population

TABLE 23

DEATHS WITH RATES* BY EXTERNAL CAUSES BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Suicide Number	Suicide Rate	Homicide Number	Homicide Rate	Undetermined External Injuries Number	Undetermined External Injuries Rate
STATE TOTAL	643	15.1	229	5.4	49	1.2
Adams	1	7.6	1	7.6	1	7.6
Asotin	2	11.8	1	5.9	1	5.9
Benton	11	9.7	5	4.4	1	.9
Kennewick	3	8.6	4	11.5		.0
Richland	4	11.9		.0	1	3.0
Chelan	6	13.0	3	6.5		.0
Wenatchee	4	23.1	1	5.8		.0
Clallam	9	17.1	3	5.7	1	1.9
Port Angeles		.0		.0		.0
Clark	24	12.3	14	7.2	4	2.0
Vancouver	10	23.5	6	14.1	2	4.7
Columbia		.0		.0		.0
Cowlitz	11	13.7	2	2.5	1	1.2
Kelso	2	17.9		.0	1	9.0
Longview	6	19.3	1	3.2		.0
Douglas	6	26.3	1	4.4		.0
Ferry	4	66.7		.0	1	16.7
Franklin	1	2.7	2	5.4		.0
Pasco	1	5.3	2	10.7		.0
Garfield		.0		.0		.0
Grant	3	6.2	3	6.2		.0
Moses Lake	1	9.6	2	19.2		.0
Grays Harbor	10	15.0	3	4.5	2	3.0
Aberdeen	3	16.0	1	5.3		.0
Island	4	8.8		.0	1	2.2
Oak Harbor		.0		.0	1	8.1
Jefferson	1	6.0	1	6.0		.0
King	222	17.0	95	7.3	10	.8
Auburn	6	21.6	3	10.8		.0
Bellevue	9	11.9	1	1.3		.0
Kent	6	25.6	1	4.3		.0
Kirkland	4	21.1	1	5.3		.0
Mercer Island	5	23.4		.0		.0
Redmond	1	4.1		.0		.0
Renton	6	18.6	1	3.1		.0
Seattle	106	21.5	63	12.8	8	1.6
Kitsap	20	12.8	6	3.8	3	1.9
Bremerton	11	29.7	4	10.8		.0
Kittitas	2	8.0	1	4.0		.0
Ellensburg	2	16.8	1	8.4		.0
Klickitat	2	12.3		.0		.0
Lewis	6	10.6		.0		.0
Centralia	1	8.3		.0		.0
Lincoln		.0		.0		.0
Mason	4	12.5		.0		.0
Okanogan	8	25.9	1	3.2	1	3.2
Pacific	4	22.5	1	5.6	1	5.6
Pend Oreille	1	11.4		.0		.0
Pierce	93	18.6	31	6.2	3	.6
Puyallup	9	49.5	1	5.5		.0
Tacoma	41	25.7	18	11.3		.0
San Juan	3	37.0		.0		.0
Skagit	12	18.5	4	6.2	3	4.6
Mount Vernon	5	37.6	1	7.5	1	7.5
Skamania	2	24.7		.0		.0
Snohomish	48	13.6	9	2.5	3	.8
Edmonds	7	24.7		.0		.0
Everett	9	16.1	2	3.6	1	1.8
Lynnwood	2	8.4		.0		.0
Mountlake Terrace	2	12.3		.0		.0
Spokane	61	17.5	15	4.3	2	.6
Spokane (city)	42	24.5	10	5.8	2	1.2
Stevens	5	16.9		.0	1	3.4
Thurston	16	12.4	8	6.2	1	.8
Lacey	3	21.1		.0		.0
Olympia	4	14.5	2	7.2	1	3.6
Wahkiakum		.0	1	26.3		.0
Walla Walla	10	20.9	4	8.4	1	2.1
Walla Walla (city)	5	19.7	3	11.8		.0
Whatcom	9	8.2	4	3.6	2	1.8
Bellingham	5	10.8	2	4.3	1	2.2
Whitman	3	7.4	1	2.5		.0
Pullman	1	4.2		.0		.0
Yakima	19	10.9	9	5.1	5	2.9
Yakima (city)	8	12.0	2	4.0		.0

*Rate per 100,000 estimated population

TABLE 24

DEATHS WITH RATES* BY EXTERNAL CAUSES BY PLACE OF OCCURANCE, WASHINGTON STATE 1981

County and City	Suicide Number	Suicide Rate	Homicide Number	Homicide Rate	Undetermined External injuries Number	Undetermined External injuries Rate
STATE TOTAL	634	14.9	224	5.3	49	1.2
Adams	1	7.6		.0	1	7.6
Asotin	2	11.8		.0		.0
Benton	12	11.5	5	4.4	1	.9
Kennewick	7	20.2	2	5.8		.0
Richland	5	14.8	1	3.0	1	3.0
Chelan	6	13.0	4	8.7		.0
Wenatchee	4	23.1	1	5.8		.0
Clallam	7	13.3	3	5.7	2	3.8
Port Angeles		.0	1	5.8	1	5.8
Clark	23	11.7	10	5.1	3	1.5
Vancouver	21	49.3	8	18.8	2	4.7
Columbia		.0		.0		.0
Cowlitz	12	14.9	3	3.7	1	1.2
Kelso	1	9.0		.0	1	9.0
Longview	9	28.9	2	6.4		.0
Douglas	6	26.3	1	4.4		.0
Ferry	1	16.7		.0	1	16.7
Franklin		.0	3	8.2		.0
Pasco		.0	2	10.7		.0
Garfield		.0		.0		.0
Grant	6	12.3	2	4.1	1	2.1
Moses Lake	1	9.6	2	19.2	1	9.6
Grays Harbor	7	10.5	2	3.0	1	1.5
Aberdeen	3	16.0	2	10.7	1	5.3
Island	4	8.8		.0	1	2.2
Oak Harbor		.0		.0	1	8.1
Jefferson	2	12.0	1	6.0		.0
King	208	15.9	94	7.2	11	.8
Auburn	5	18.0	3	10.8		.0
Bellevue	10	13.2	4	5.3		.0
Kent	5	21.4	2	8.5		.0
Kirkland	5	26.3		.0		.0
Mercer Island	4	18.7		.0		.0
Redmond		.0		.0		.0
Renton	8	24.8	2	6.2		.0
Seattle	133	27.0	77	15.6	10	2.0
Kitsap	24	15.3	4	2.6	3	1.9
Bremerton	16	41.2	2	5.4	1	2.7
Kittitas	2	8.0		.0	1	4.0
Ellensburg	2	16.8		.0		.0
Klickitat	1	6.2	1	6.2		.0
Lewis	6	10.6		.0		.0
Centralia		.0		.0		.0
Lincoln		.0		.0		.0
Mason	4	12.5		.0	2	6.3
Okanogan	8	25.9	1	3.2	1	3.2
Pacific	4	22.5	1	5.6	1	5.6
Pend Oreille	2	22.7		.0		.0
Pierce	92	18.4	25	5.0	2	.4
Puyallup	10	54.9	2	11.0		.0
Tacoma	69	43.2	14	8.8	1	.6
San Juan	3	37.0	1	12.3		.0
Skagit	12	18.5	2	3.1	1	1.5
Mount Vernon	6	45.1		.0	1	7.5
Skamania	2	24.7		.0		.0
Snohomish	50	14.1	11	3.1	1	.3
Edmonds	9	31.8		.0		.0
Everett	13	23.2	4	7.1	1	1.8
Lynnwood	3	12.7	2	8.4		.0
Mountlake Terrace	2	12.3		.0		.0
Spokane	61	17.5	22	6.3	2	.6
Spokane (city)	58	33.9	20	11.7	2	1.2
Stevens	6	20.3		.0	1	3.4
Thurston	17	13.2	10	7.7		.0
Lacey	2	14.1		.0		.0
Olympia	8	29.0	8	29.0	0	
Wahkiakum		.0	1	26.3		.0
Walla Walla	9	18.8	4	8.4	3	6.3
Walla Walla (city)	9	35.4	3	11.8	3	11.8
Whatcom	13	11.8	4	3.6	2	1.8
Bellingham	8	17.2	3	6.5	1	2.2
Whitman	2	5.0	1	2.5		.0
Pullman	1	4.2		.0		.0
Yakima	18	10.3	8	4.6	6	3.4
Yakima (city)	12	24.1	1	2.0	5	10.0

*Rate per 100,000 estimated population

TABLE 25

RESIDENCE DEATHS WITH RATES[1/] BY SELECTED CAUSES BY SEX, WASHINGTON STATE 1981

Cause With International List Number	Total		Male		Female		Unknown
	Number	Rate	Number	Rate	Number	Rate	
TOTAL ALL CAUSES	32,022	753.4	17,302	818.7	14,719	688.9	1
Enteritis and other diarrheal disease (008, 009)	6	.1	3	.1	3	.1	
Tuberculosis, all forms (010-018, 137)	24	.6	13	.6	11	.5	
Tuberculosis of the respiratory system (010-012)	15	.4	10	.5	5	.2	
Septicemia (038)	100	2.4	43	2.0	57	2.7	
Syphilis and its sequelae (090-097)	3	.1	1	.0	2	.1	
All other infective and parasitic diseases (000-139) excluding numbers listed above	77	1.8	47	2.2	30	1.4	
Malignant neoplasms of lip, oral cavity and pharynx (140-149)	123	2.9	76	3.6	47	2.2	
Malignant neoplasms of digestive organs and peritoneum (150-159)	1,799	42.3	883	41.8	916	42.9	
Malignant neoplasms of respiratory and intrathoracic organs (160-165)	2,001	47.1	1,353	64.0	648	30.3	
Malignant neoplasms of breast (174, 175)	588	13.8	5	.2	583	27.3	
Malignant neoplasms of genitourinary organs (179-189)	1,139	26.8	646	30.6	493	23.1	
Malignant neoplasms of other and unspecified sites (170-173, 190-195, 199)	734	17.3	405	19.2	329	15.4	
Leukemia (204-208)	298	7.0	174	8.2	124	5.8	
Other neoplasms of lymphatic and hematopoietic tissues (200-203)	381	9.0	192	9.1	189	8.8	
Benign and unspecified neoplasms (210-239)	86	2.0	46	2.2	40	1.9	
Diabetes Mellitus (250)	572	13.5	257	12.2	315	14.7	
Nutritional deficiencies (260-269)	54	1.3	21	1.0	33	1.5	
Anemias (280-285)	48	1.1	19	.9	29	1.4	
Alcoholism (303)	105	2.5	74	3.5	31	1.5	
Meningitis (320, 322)	16	.4	12	.6	4	.2	

1/ Rates per 100,000 estimated population

TABLE 25 (con't)

RESIDENCE DEATHS WITH RATES[1/] BY SELECTED CAUSES BY SEX, WASHINGTON STATE 1981

Cause With International List Number	Total Number	Total Rate	Male Number	Male Rate	Female Number	Female Rate	Unknown
Diseases of the heart (391-398, 402, 404, 410-417, 420-429)	11,287	265.6	6,187	292.7	5,100	238.7	
Chronic rheumatic heart disease (391-398)	136	3.2	43	2.0	93	4.4	
Hypertensive heart disease (402)	275	6.5	118	5.6	157	7.3	
Hypertensive heart and renal disease (404)	29	.7	14	.7	15	.7	
Ischemic heart disease (410-414)	7,990	188.0	4,520	213.9	3,470	162.4	
Other forms of heart disease (415-429)	2,682	63.1	1,402	66.3	1,280	59.9	
Hypertensive disease (401, 403)	110	2.6	45	2.1	65	3.0	
Cerebrovascular disease (430-438)	2,841	66.8	1,144	54.1	1,697	79.4	
Arteriosclerosis (440)	553	13.0	229	10.8	324	15.2	
Other diseases of arteries, arterioles and capillaries (441-444, 446-448)	339	8.0	212	10.0	127	5.9	
Acute bronchitis (466)	10	.2	4	.2	6	.3	
Pneumonia (480-486)	850	20.0	396	18.7	454	21.2	
Influenza (487)	59	1.4	22	1.0	37	1.7	
Bronchitis (chronic and unspecified) (490-491)	51	1.2	35	1.7	16	.7	
Emphysema (492)	323	7.6	217	10.3	106	5.0	
Asthma (493)	63	1.5	33	1.6	30	1.4	
Ulcer of stomach and duodenum (531-533)	107	2.5	54	2.6	53	2.5	
Appendicitis (540-543)	10	.2	7	.3	3	.1	
Hernia and intestinal obstruction (550-553, 560)	93	2.2	43	2.0	50	2.3	
Cirrhosis of the liver (571)	479	11.3	286	13.5	193	9.0	
Cholelithiasis, cholecystitis and cholangitis (574-576)	55	1.3	35	1.7	20	.9	
Acute nephritis and nephrotic syndrome (580-581)	3	.1	3	.1	0	-	
Chronic and unspecified nephritis and renal sclerosis (582-583)	34	.8	15	.7	19	.9	
Infections of kidney (590)	36	.8	17	.8	19	.9	
Hyperplasia of the prostate (600)	17	.4	17	.8	0	-	

1/ Rates per 100,000 estimated population.

TABLE 25 (con't)

RESIDENCE DEATHS WITH RATES[1/] BY SELECTED CAUSES BY SEX, WASHINGTON STATE 1981

Cause With International List Number	Total		Male		Female		Unknown
	Number	Rate	Number	Rate	Number	Rate	
Complications of pregnancy, childbirth and puerperium (630-638, 640-676)	4	.1	0	-	4	.2	
Congenital anomalies (740-759)	261	6.1	141	6.7	119	5.6	1
Birth injury, difficult labor and other anoxic and hypoxic conditions (763, 767-769)	141	3.3	87	4.1	54	2.5	
Other causes of mortality in early infancy (760-762, 764-766, 770-779)	171	4.0	94	4.4	77	3.6	
Senility and ill-defined symptoms (780-799)	243	5.7	140	6.6	103	4.8	
All other diseases except above (residual)	2,940	69.2	1,573	74.4	1,367	64.0	
Motor vehicle accidents (E810-E825, E9290)	911	21.4	638	30.2	273	12.8	
All other accidents (E800-E807, E826-E949)	947	22.3	669	31.7	278	13.0	
Suicide (E950-E959)	643	15.1	488	23.1	155	7.3	
Homicide (E960-E969)	229	5.4	155	7.3	74	3.5	
Legal intervention (E970-E978)	5	.1	5	.2	0	-	
Undetermined external injuries (E980-E989)	49	1.2	40	1.9	9	.4	

1/ Rates per 100,000 estimated population.

TABLE 26

RESIDENCE DEATHS WITH RATES 1/ AND PERCENT 2/ BY AGE GROUP AND SEX BY FIVE LEADING CAUSES, WASHINGTON STATE 1981

	International List Number	Total			Male			Female		
		Number	Rate	Percent3/	Number	Rate	Percent3/	Number	Rate	Percent3/
ALL AGES										
All causes		32,022*	753.4	100.0	17,302	818.7	100.0	14,719	688.9	100.0
Diseases of the heart	391-400,402, 404,429	11,287	265.6	35.2	6,187	292.7	35.8	5,100	238.7	34.6
Malignant neoplasms	140-208,230-234	7,063	166.2	22.1	3,734	176.7	21.6	3,329	155.8	22.6
Cerebrovascular disease	430-438	2,841	66.8	8.9	1,144	54.1	6.6	1,697	79.4	11.5
All accidents	800-949	1,858	43.7	5.8	1,307	61.8	7.6	551	25.8	3.7
Influenza and pneumonia	480-487	909	21.4	2.8	418	19.8	2.4	491	23.0	3.3
All other causes		8,064*	189.7	25.2	4,512	213.5	26.1	3,551	166.2	24.1
UNDER 1										
All causes		731*	1068.3	100.0	429	1223.9	100.0	301	902.0	100.0
Congenital anomalies	740-759	177*	258.7	24.2	96	273.9	22.4	80	239.7	26.6
Certain causes of mortality in early infancy	760-762,764-766 770-779	171	249.9	23.4	94	268.2	21.9	77	230.7	25.6
Sudden Infant Death Syndrome	7980	158	230.9	21.6	103	293.8	24.0	55	164.8	18.3
Birth injury, etc.	763,767-769	139	203.1	19.0	86	245.3	20.0	53	158.8	17.6
All accidents	800-949	21	30.7	2.9	12	34.2	2.8	9	27.0	3.0
All other causes		65	95.0	8.8	38	108.4	8.8	27	80.9	8.9
1 - 4										
All causes		136	53.5	100.0	79	60.8	100.0	57	45.9	100.0
All accidents	800-949	58	22.8	42.6	34	26.1	43.0	24	19.3	42.1
Congenital anomalies	740-759	22	8.7	16.2	13	10.0	16.5	9	7.2	15.8
Malignant neoplasms	140-208,230-234	13	5.1	9.6	8	6.2	10.1	5	4.0	8.8
Diseases of the heart	391-400,402,404-429	5	2.0	3.7	2	1.5	2.5	3	2.4	5.3
Influenza and pneumonia	480-487	4	1.6	2.9	3	2.3	3.8	1	.8	1.8
All other causes		34	13.4	25.0	19	14.6	24.0	15	12.1	26.3
5 - 14										
All causes		163	26.1	100.0	100	31.2	100.0	63	20.7	100.0
All accidents	800-949	87	13.9	53.4	62	19.4	62.0	25	8.2	39.7
Malignant neoplasms	140-208,230-234	24	3.8	14.7	11	3.4	11.0	13	4.3	20.6
Congenital anomalies	740-759	13	2.1	8.0	7	2.2	7.0	6	2.0	9.5
Influenza and pneumonia	480-487	5	.8	3.1	2	.6	2.0	3	1.0	4.8
Suicide	950-959	3	.5	1.8	2	.6	2.0	1	.3	1.6
All other causes		31	5.0	19.0	16	5.0	16.0	15	4.9	23.8
15 - 24										
All causes		760	98.7	100.0	560	141.1	100.0	200	53.5	100.0
All accidents	800-949	454	58.9	59.7	344	86.7	61.4	110	29.4	55.0
Suicide	950-959	109	14.1	14.3	88	22.2	15.7	21	5.6	10.5
Homicide	960-969	52	6.7	6.8	37	9.3	6.6	15	4.0	7.5
Malignant Neoplasms	140-208,230-234	42	5.5	5.5	26	6.6	4.6	16	4.3	8.0
Diseases of the heart	391-400,402, 404-429	16	2.1	2.1	13	3.3	2.3	3	.8	1.5
All other causes		87	11.3	11.4	52	13.1	9.2	35	9.4	17.5
25 - 34										
All causes		869	110.4	100.0	625	157.2	100.0	244	62.7	100.0
All accidents	800-949	357	45.4	41.1	285	71.7	45.6	72	18.5	29.5
Suicide	950-959	164	20.8	18.9	124	31.2	19.8	40	10.3	16.4
Malignant neoplasms	140-208,230-234	84	10.7	9.7	51	12.8	8.2	33	8.5	13.5
Homicide	960-969	73	9.3	8.4	49	12.3	7.8	24	6.2	9.8
Diseases of the heart	391-398,402, 404-429	47	6.0	5.4	34	8.5	5.4	13	3.3	5.3
All other causes		144	18.3	16.5	82	20.6	13.1	62	15.9	25.4
35 - 44										
All causes		988	192.4	100.0	643	246.8	100.0	345	136.3	100.0
Malignant neoplasms	140-208,230-234	228	44.4	23.1	108	41.5	16.8	120	47.4	34.8
All accidents	800-949	198	38.5	20.0	152	58.3	23.6	46	18.2	13.3
Diseases of the heart	391-400,402, 404-429	162	31.5	16.4	130	49.9	20.2	32	12.6	9.3
Suicide	950-959	106	20.6	10.7	80	30.7	12.4	26	10.3	7.5
Cirrhosis of the liver	571	48	9.3	4.9	34	13.0	5.3	14	5.5	4.1
All other causes		246	47.9	24.8	139	53.3	21.6	107	42.3	31.0

TABLE 26 (con't)

RESIDENCE DEATHS WITH RATES 1/ AND PERCENT 2/ BY AGE GROUP AND SEX BY FIVE LEADING CAUSES, WASHINGTON STATE 1981

	International List Number	Total			Male			Female		
		Number	Rate	Percent3/	Number	Rate	Percent3/	Number	Rate	Percent3/
45 - 54										
All causes		1,910	482.2	100.0	1,176	594.8	100.0	734	369.9	100.0
Malignant neoplasms	140-208,230-234	626	158.0	32.8	297	150.2	25.3	329	165.8	44.8
Diseases of the heart	391-400,402, 404-429	539	136.1	28.2	413	208.9	35.1	126	63.5	17.2
All accidents	800-949	157	39.6	8.2	114	57.7	9.7	43	21.7	5.9
Cirrhosis of the liver	571	103	26.0	5.4	65	32.9	5.5	38	19.1	5.2
Cerebrovascular disease	430-438	90	22.7	4.7	46	23.3	3.9	44	22.2	6.0
All other causes		395	99.7	20.6	241	121.9	20.4	154	77.6	20.9
55 - 64										
All causes		4,481	1151.1	100.0	2,804	1495.1	100.0	1,677	831.3	100.0
Malignant neoplasms	140-208,230-234	1,585	407.2	35.4	862	459.6	30.7	723	358.4	43.1
Diseases of the heart	391-400 404-429	1,544	396.6	34.5	1,130	602.5	40.3	414	205.2	24.7
Cerebrovascular disease	430-438	195	50.1	4.4	96	51.2	3.4	99	49.1	5.9
Cirrhosis of the liver	571	154	39.6	3.4	87	46.4	3.1	67	33.2	4.0
All accidents	800-949	139	35.7	3.1	102	54.4	3.6	37	18.3	2.2
All other causes		864	222.0	19.2	527	281.0	18.7	337	167.1	20.0
65 - 74										
All causes		7,381	2703.5	100.0	4,383	3512.2	100.0	2,998	2022.7	100.0
Diseases of the heart	391-400,402, 404-429	2,670	978.0	36.2	1,681	1347.0	38.4	989	667.3	33.0
Malignant neoplasms	140-208,230-234	2,177	797.4	29.5	1,226	982.4	28.0	951	641.6	31.7
Cerebrovascular disease	430-438	541	198.2	7.3	273	218.8	6.2	268	180.8	8.9
Bronchitis, emphysema, and asthma	466,490-493	174	63.7	2.4	115	92.2	2.6	59	39.8	2.0
Diabetes mellitus	250	154	56.4	2.1	72	57.7	1.6	82	55.3	2.7
All other causes		1,665	609.9	22.5	1,016	814.1	23.1	649	437.9	21.6
75 - 84										
All causes		7,989	6044.4	100.0	4,077	8027.2	100.0	3,912	4807.1	100.0
Diseases of the heart	391-400,402, 404-429	3,319	2511.1	41.5	1,722	3390.4	42.2	1,597	1962.4	40.8
Malignant neoplasms	140-208,230-234	1,586	1200.0	19.9	829	1632.2	20.3	757	930.2	19.4
Cerebrovascular disease	430-438	968	732.4	12.1	418	823.0	10.3	550	675.8	14.1
Influenza and pneumonia	480-487	261	197.5	3.3	134	263.8	3.3	127	156.1	3.2
Arteriosclerosis	440	159	120.3	2.0	84	165.4	2.1	75	92.2	1.9
All other causes		1,696	1283.2	21.2	890	1752.3	21.8	806	990.4	20.6
85 and Over										
All causes		6,611	6103.2	100.0	2,423	9609.9	100.0	4,188	4592.8	100.0
Diseases of the heart	391-400,402, 404-429	2,977	7251.4	45.0	1,058	8562.6	43.7	1,919	6686.6	45.8
Cerebrovascular disease	430-438	997	2428.5	15.1	292	2363.2	12.1	705	2456.5	16.8
Malignant neoplasms	140-208,230-234	697	1697.8	10.5	316	2557.5	13.0	381	1327.6	9.1
Influenza and pneumonia	480-487	408	993.8	6.2	145	1173.5	6.0	263	916.4	6.3
Arteriosclerosis	440	312	760.0	4.7	96	777.0	4.0	216	752.6	5.2
All other causes		1,220	2971.7	18.4	516	4176.1	21.2	704	2453.0	16.8
Age Unknown										
All causes		3	NA	NA	3	NA	NA	0	-	-
Diseases of the heart	391-400,402,400-429	2	NA	NA	2	NA	NA	0	-	-
Cerebrovascular disease	430-438	1	NA	NA	1	NA	NA	0	-	-

*Total includes 1 sex unknown

1/ Rate per 100,000 population in age - sex group.
2/ Percent of total deaths in each age group.
3/ Detail may not add to 100 percent due to rounding.

TABLE 27

DEATHS BY MONTH OF OCCURRENCE BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
STATE TOTAL	32,022	3,022	2,642	2,742	2,568	2,686	2,503	2,628	2,757	2,405	2,667	2,585	2,817
Adams	72	2	7	10	6	6	7	7	10	2	2	4	9
Asotin	149	10	10	18	13	12	10	8	21	12	10	13	12
Benton	543	62	50	46	36	40	36	49	40	44	51	46	43
Kennewick	186	16	19	14	14	20	11	16	14	12	18	19	13
Richland	195	24	16	23	13	8	13	16	16	15	18	15	18
Chelan	481	41	31	43	24	36	47	52	37	46	38	41	45
Wenatchee	248	23	18	21	10	20	27	22	15	25	21	22	24
Clallam	510	51	40	45	26	48	52	37	40	38	40	55	38
Port Angeles	201	31	13	12	10	14	20	13	14	16	18	20	20
Clark	1,409	135	134	116	110	110	117	125	116	96	107	116	127
Vancouver	690	53	58	62	59	63	61	63	58	44	49	55	65
Columbia	47	5	2	4	4	3	4	6	5	2	4	2	6
Cowlitz	588	60	56	48	50	38	38	52	60	53	48	34	51
Kelso	104	9	9	6	11	8	2	7	10	12	9	12	9
Longview	265	29	25	23	26	21	18	28	26	17	19	12	21
Douglas	158	15	15	12	5	15	14	9	14	11	11	22	15
Ferry	37	2	2	2	3	3	5	3	2	8	3	2	2
Franklin	239	25	21	18	9	21	15	24	22	16	18	23	27
Pasco	181	18	17	12	8	13	12	17	16	14	15	16	23
Garfield	23	3	2	3	3	2	2		1	2	3		2
Grant	317	24	24	11	27	36	33	26	33	25	32	27	19
Moses Lake	70	4	6	5	3	10	6	6	6	4	7	10	3
Grays Harbor	642	59	53	56	48	42	49	49	74	57	68	41	46
Aberdeen	203	18	9	23	14	14	16	17	28	17	28	11	8
Island	297	30	28	29	25	18	21	31	23	20	21	22	23
Oak Harbor	52	5	6	5	5	4	5	3	4	4	4	1	6
Jefferson	143	16	8	10	8	18	7	16	9	11	13	15	12
King	9,650	925	813	845	840	808	727	799	830	646	817	737	863
Auburn	207	22	20	17	15	9	17	25	20	8	23	14	17
Bellevue	440	42	29	34	41	41	35	33	40	36	37	37	35
Kent	152	11	9	13	15	13	8	10	17	10	10	19	17
Kirkland	193	31	26	15	19	16	18	10	10	11	11	11	15
Mercer Island	117	14	12	10	14	3	9	5	20	3	13	5	9
Redmond	136	13	7	9	10	10	12	7	20	12	8	18	10
Renton	289	22	25	18	25	21	15	26	38	19	20	30	30
Seattle	5,530	512	462	501	461	503	432	453	467	367	461	424	487
Kitsap	1,076	103	85	83	75	91	92	70	84	94	108	92	99
Bremerton	392	33	29	29	26	35	39	25	23	31	46	40	36
Kittitas	216	26	20	25	11	22	14	21	16	11	15	13	22
Ellensburg	87	13	8	10	4	10	3	13	4	3	6	6	7
Klickitat	144	11	14	13	10	11	13	10	13	15	11	6	17
Lewis	520	47	37	53	59	42	35	38	32	35	50	47	45
Centralia	171	13	18	16	13	13	12	16	9	8	15	19	19
Lincoln	103	11	10	12	7	7	6	6	12	8	5	9	10
Mason	266	23	22	26	23	23	22	22	25	13	22	24	21
Okanogan	286	27	19	19	26	22	19	25	28	22	17	34	28
Pacific	248	15	26	19	15	22	23	23	21	23	19	23	19
Pend Oreille	63	6	7	3	4	8	4	5	3	7	4	4	8
Pierce	3,697	339	299	307	300	318	310	269	300	296	312	285	362
Puyallup	204	19	13	19	15	16	22	18	18	17	15	12	20
Tacoma	1,815	183	162	149	137	143	148	137	143	140	148	151	174
San Juan	64	3	5	9	4	7	4	4	9	5	3	7	4
Skagit	612	50	51	48	52	52	46	49	53	64	47	53	47
Mount Vernon	137	16	10	10	12	17	10	6	5	15	11	11	14
Skamania	37	3	2		7	2	2	4	2	5	3	3	4
Snohomish	2,243	207	169	197	172	188	181	198	186	158	209	173	205
Edmonds	232	25	24	17	15	17	21	20	20	16	19	17	21
Everett	638	60	45	56	48	50	39	58	57	61	61	46	57
Lynnwood	140	9	10	14	12	12	19	12	13	11	11	8	9
Mountlake Terrace	60	6	4	7	5	7	6	6	4	2	6	3	4
Spokane	2,897	280	239	264	212	250	220	235	242	233	235	229	258
Spokane (city)	1,918	185	144	185	137	167	147	156	145	160	162	160	170
Stevens	225	19	11	11	18	22	12	14	20	17	17	45	19
Thurston	940	85	79	71	82	66	84	84	89	65	79	90	66
Lacey	160	14	10	13	15	11	13	12	16	9	18	17	12
Olympia	317	28	25	20	30	26	33	25	36	21	20	32	21
Wahkiakum	38	5	4	4	2	3	1	5	3	3	1	3	4
Walla Walla	463	43	50	37	38	43	40	39	44	31	33	32	33
Walla Walla (city)	324	29	35	23	26	30	31	30	29	19	24	21	27
Whatcom	793	78	62	70	63	68	54	63	90	57	66	67	55
Bellingham	436	44	40	37	41	31	29	30	46	26	42	40	30
Whitman	200	13	13	14	19	18	22	20	12	24	10	14	21
Pullman	41	3	5	5	2	5	6		1	6	4		4
Yakima	586	163	122	141	132	145	115	131	136	124	115	132	130
Yakima (city)	693	88	50	71	52	61	60	60	52	40	52	50	57

TABLE 28

DEATHS BY TYPE OF PLACE BY PLACE OF OCCURRENCE, WASHINGTON STATE 1981

County and City	Total	General Hospital	Nursing Homes	Home	Federal Facility	Psych. Hosp.	State Fac.	Dead on Arrival	Other N.S.
STATE TOTAL	32,247	16,118	7,339	5,892	1,204	36	9	83	1,566
Adams	77	39	17	10					11
Asotin	135	67	43	19					6
Benton	547	314	109	91				3	30
Kennewick	195	94	47	40				1	13
Richland	279	191	42	38				2	6
Chelan	561	331	140	67				4	19
Wenatchee	415	276	89	43				1	6
Clallam	485	209	161	97				1	17
Port Angeles	305	193	68	36					8
Clark	1,374	536	341	223	228			1	45
Vancouver	1,223	536	260	168	228				31
Columbia	35	16	11	6					2
Cowlitz	610	338	150	87					35
Kelso	21	1	2	14					4
Longview	512	337	108	54					13
Douglas	82		36	36					10
Ferry	27	7		6					14
Franklin	200	108	31	47				2	12
Pasco	186	108	31	41				2	4
Garfield	23	12	3	1					7
Grant	263	151	27	58				1	26
Moses Lake	118	75	24	15					4
Grays Harbor	556	280	156	84				1	35
Aberdeen	369	252	71	38				1	7
Island	199	53	34	83	11			2	16
Oak Harbor	62	1	21	21	10			1	8
Jefferson	102	50	17	21				3	11
King	10,259	5,411	2,072	2,013	321	4	1	16	421
Auburn	264	167	33	54					10
Bellevue	386	200	53	115					18
Kent	92		1	68					23
Kirkland	364	152	154	44		4			10
Mercer Island	75		41	25					9
Redmond	230	128	68	25				1	8
Renton	454	259	95	84				2	14
Seattle	7,686	4,441	1,313	1,372	320		1	12	227
Kitsap	1,027	411	320	206	40			5	45
Bremerton	708	410	156	89	38			5	10
Kittitas	199	80	63	29				1	26
Ellensburg	137	80	36	14				1	6
Klickitat	99	47	21	22					9
Lewis	469	262	104	67				4	32
Centralia	222	111	91	14				1	5
Lincoln	77	38	18	14				2	5
Mason	203	104	32	46			1	2	18
Okanogan	266	136	49	51				1	29
Pacific	203	115	36	30					22
Pend Oreille	53	23	11	10					9
Pierce	3,852	1,753	768	768	359	23		11	170
Puyallup	519	256	162	87				3	11
Tacoma	3,000	1,492	554	491	358	10		7	88
San Juan	50		21	16					13
Skagit	656	345	173	110					28
Mount Vernon	247	150	57	32					8
Skamania	22			10					12
Snohomish	1,989	980	525	379				7	98
Edmonds	385	240	85	49				3	8
Everett	983	630	209	113				4	27
Lynnwood	56	1	20	28					7
Mountlake Terrace	18		1	16					1
Spokane	3,356	1,861	769	450	157	9	6	4	100
Spokane (city)	3,148	1,841	692	401	147	1		3	63
Stevens	167	70	28	37				1	31
Thurston	889	432	222	187				2	46
Lacey	124	2	95	25					2
Olympia	668	429	91	119				2	27
Wahkiakum	27		12	11					4
Walla Walla	598	283	138	74	88		1		14
Walla Walla (city)	541	282	102	63	88		1		5
Whatcom	792	302	272	168				1	49
Bellingham	650	301	218	118				1	12
Whitman	153	65	42	24				2	20
Pullman	49	23	16	6				1	3
Yakima	1,565	889	367	234				6	69
Yakima (city)	1,134	717	252	138				1	26

TABLE 29

DEATHS BY MONTH OF OCCURRENCE BY SELECTED CAUSES, WASHINGTON STATE 1981

Cause of Death and International List Number	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TOTAL	32,247	3,030	2,670	2,748	2,580	2,688	2,520	2,662	2,780	2,442	2,686	2,605	2,836
Tuberculosis (010-019,137)	26	2	2	1	3	2	2	5	2	1	2	3	1
Syphilis and its Sequelae (090-091, 093-095,097)	3										2	1	
All other infectious and parasitic diseases (001-009,020-136,138-139)	193	16	17	14	10	14	18	15	21	16	23	12	17
Malignant Neoplasm (140-208)	7,233	635	557	595	575	603	589	589	627	581	620	603	659
Cerebrovascular Disease (430-438)	2,860	276	261	233	224	235	202	233	249	212	232	238	263
Diabetes Mellitus (2500)	572	52	47	49	39	44	49	51	52	47	34	50	58
Diseases of the Heart (390-398,402,404, 410-417,420-429)	11,323	1,093	939	983	898	977	854	965	952	837	960	893	972
Chronic and acute Ischemic Heart Dis. (410-414)	8,001	725	659	700	624	714	624	693	655	592	676	652	687
Hypertensive Heart Disease (402)	269	26	24	29	21	19	19	24	23	22	20	21	21
Hypertensive Heart and Renal Dis. (404)	29	3	1	3	2	5	2	2	1	3	3	2	2
Arteriosclerosis (440)	548	53	42	51	57	41	43	35	48	35	53	40	50
Influenza (487)	59	21	19	5	5	-	-	1	2	1	2	1	2
Pneumonia (480-486)	856	111	101	76	70	56	55	55	72	41	66	61	92
Certain Cause of Mortality in Early Infancy (763,767-769,760-762, 764-766,770-779)	300	18	24	28	21	26	31	26	22	23	32	20	29
All Accidents (E800-E949)	1,860	144	118	152	140	152	174	181	211	144	125	169	150
Motor Vehicle Acc. (E810-E825,E9290)	942	61	53	73	72	77	91	89	115	81	60	88	82
Drownings, Excluding submersion in a boat (E910)	116	4	3	4	9	9	10	27	32	8	4	3	3
Falls (E880-E888,E9293)	267	32	27	25	23	21	17	20	19	17	18	22	26
Fire (E890-E899,E9294)	68	5	8	15	5	3	3	3	3	4	10	3	6

TABLE 30

DEATHS, RESIDENT, BY NON-TRANSPORT CAUSES, BY PLACE OF ACCIDENT, WASHINGTON STATE 1981

Cause of Death	Total	Home	Farm	Industrial including Mines	Recre-ation	Street Hiway	Public Building	Resident Institution	Other and Unspecified
TOTAL	767	305	11	65	72	15	11	87	201
Poisoning by drugs, medicaments and biologicals (E850-E858)	48	31				1		3	13
Poisoining by other solid and liquid substances, gases and vapors (E860-E869)	31	14		3		1	1		12
Misadventures during surgical and medical care (E870-E879)	5							1	4
Falls (E880-E888)	265	114	1	16	7	7	8	65	47
Falls on stairs and ladders (E880, E881)	24	16		3	1		2		2
Falls from one level to another (E882-E884)	65	14		11	6		3	18	13
Falls on same level (E885,E886)	7	2		1				3	1
Other and unspecified falls (E887,E888	169	82	1	1		7	3	44	31
Fire (E890-E899)	66	63		1			1		1
Natural and environmental factors (E900-E909)	31	5	1	2	9	2			12
Drowning, excluding submersion in boat (E910)	122	20		1	50	3			48
Inhalation and ingestion causing suffocation and obstruction (E911, E912)	44	12					1	14	17
Mechanical suffocation (E913)	17	9		2				1	5
Struck by, against or between objects (E916,E917,E918)	44	9	1	18	4			1	11
Machinery (E919)	30	5	8	8					9
Explosion and explosive material (E921,E923)	5	2		2					1
Firearms (E922)	16	12			2				2
Hot substance, corrosive liquid and steam (E924)	5	4						1	
Electricity (E925)	19	4		11					4
Other and unspecified accidents (E926-E929)	14					1		1	12

TABLE 31

FETAL, PERINATAL, NEONATAL AND INFANT MORTALITY BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Fetal Deaths Number	Fetal Deaths Ratio 1/	Perinatal Mortality 2/ Number	Perinatal Mortality 2/ Rate 3/	Neonatal Mortality Number	Neonatal Mortality Rate 4/	Infant Mortality Number	Infant Mortality Rate 4/
STATE TOTAL	489	7.0	851	12.1	440	6.3	731	10.5
Adams	3	9.8	4	12.9	1	3.3	1	3.3
Asotin	0	-	1	3.7	1	3.7	2	7.5
Benton	21	9.5	30	13.4	13	5.9	17	7.7
Kennewick	6	6.2	9	9.2	5	5.1	7	7.2
Richland	6	12.0	10	19.7	6	12.0	7	13.9
Chelan	7	9.0	10	12.8	3	3.9	5	6.4
Wenatchee	2	7.4	4	14.6	2	7.4	4	14.7
Clallam	7	8.6	9	11.0	2	2.5	4	4.9
Port Angeles	2	7.5	4	14.8	2	7.5	3	11.2
Clark	12	3.6	30	9.1	24	7.3	39	11.8
Vancouver	4	3.4	13	10.9	12	10.1	20	16.8
Columbia	1	19.6	1	19.2	0	-	0	-
Cowlitz	8	6.3	13	10.2	7	5.5	9	7.1
Kelso	1	4.8	1	4.7	0	-	0	-
Longview	5	8.9	7	12.3	4	7.1	6	10.7
Douglas	8	20.7	10	25.3	2	5.2	2	5.2
Ferry	0	-	1	8.1	1	8.1	2	16.1
Franklin	7	8.0	10	11.4	3	3.4	4	4.6
Pasco	4	7.2	7	12.5	3	5.4	4	7.2
Garfield	0	-	0	-	0	-	0	-
Grant	7	7.5	13	13.8	7	7.5	13	13.9
Moses Lake	1	5.1	1	5.0	0	-	0	0
Grays Harbor	10	9.5	15	14.1	10	9.5	19	18.0
Aberdeen	3	9.8	5	16.2	5	16.4	8	26.2
Island	5	6.3	8	10.0	3	3.8	6	7.5
Oak Harbor	3	9.6	4	12.7	1	3.2	3	9.6
Jefferson	3	12.7	3	12.6	0	-	0	-
King	123	6.6	223	11.9	123	6.6	186	10.0
Auburn	8	14.7	12	21.7	4	7.4	6	11.0
Bellevue	5	5.5	7	7.7	4	4.4	7	7.7
Kent	3	6.5	5	10.8	4	8.7	5	10.9
Kirkland	6	19.4	10	31.6	4	12.9	6	19.4
Mercer Island	0	-	0	-	0	-	1	6.4
Redmond	3	6.5	9	19.4	6	13.0	6	13.0
Renton	4	15.6	12	20.5	4	6.9	7	12.1
Seattle	53	7.9	99	14.7	57	8.5	89	13.3
Kitsap	18	6.7	38	14.0	23	8.6	39	14.5
Bremerton	6	7.0	13	15.0	7	8.1	13	15.1
Kittitas	4	11.8	4	11.6	0	-	3	8.8
Ellensburg	2	13.5	2	13.3	0	-	2	13.5
Klickitat	4	12.9	7	22.2	4	12.9	6	19.3
Lewis	6	6.2	15	15.5	10	10.4	14	14.5
Centralia	1	4.0	4	15.9	3	12.0	3	12.0
Lincoln	1	7.2	2	14.3	1	7.2	1	7.2
Mason	2	4.0	3	6.0	1	2.0	2	4.0
Okanogan	8	12.9	11	17.5	3	4.8	6	9.6
Pacific	0	-	2	7.8	2	7.8	4	15.5
Pend Oreille	0	-	1	6.8	1	6.8	1	6.8
Pierce	72	7.7	135	14.2	71	7.6	129	13.7
Puyallup	4	11.9	8	23.5	4	11.9	7	20.8
Tacoma	31	10.3	62	20.3	36	11.9	61	20.2
San Juan	0	-	1	10.6	1	10.6	1	10.6
Skagit	12	10.8	19	16.9	7	6.3	8	7.2
Mt. Vernon	1	3.4	4	13.7	3	10.3	3	10.3
Skamania	0	-	0	-	0	-	0	-
Snohomish	34	5.5	64	10.3	36	5.9	62	10.1
Edmonds	2	4.8	4	9.6	3	7.3	6	14.5
Everett	4	3.2	8	6.4	5	4.0	13	10.4
Lynnwood	2	3.5	7	12.3	5	8.8	6	10.6
Mountlake Terrace	4	13.8	5	17.0	1	3.4	1	3.4
Spokane	36	6.3	61	10.6	36	6.3	56	9.7
Spokane (city)	17	5.8	35	11.8	23	7.8	33	11.2
Stevens	2	3.4	5	8.5	3	5.1	8	13.6
Thurston	8	3.7	19	8.7	12	5.5	22	10.1
Lacey	1	4.3	1	4.3	1	4.3	2	8.3
Olympia	1	1.5	2	3.0	1	1.5	4	5.9
Wahkiakum	0	-	0	-	0	-	1	18.9
Walla Walla	6	8.4	8	11.1	4	5.6	8	16.8
Walla Walla (city)	3	7.2	5	11.9	3	7.2	7	16.8
Whatcom	23	13.6	27	15.7	5	3.0	15	8.9
Bellingham	9	14.2	13	20.2	5	7.9	11	17.4
Whitman	3	5.6	5	9.3	3	5.6	4	7.4
Pullman	1	3.7	3	10.9	3	11.0	4	14.7
Yakima	28	8.3	43	12.6	17	5.0	32	9.4
Yakima (city)	11	12.3	15	16.6	4	4.5	10	11.2

1/ Ratio per 1,000 livebirths
2/ Fetal deaths plus liveborn infants dying at 6 days and under
3/ Rate per 1,000 livebirths plus fetal deaths
4/ Rate per 1,000 livebirths

TABLE 32

FETAL, PERINATAL, NEONATAL AND INFANT MORTALITY BY PLACE OF OCCURRENCE, WASHINGTON STATE 1981

County and City	Fetal Deaths Number	Fetal Deaths Ratio 1/	Perinatal Mortality 2/ Number	Perinatal Mortality 2/ Rate 3/	Neonatal Mortality Number	Neonatal Mortality Rate 4/	Infant Mortality Number	Infant Mortality Rate 4/
STATE TOTAL	496	7.2	854	12.3	431	6.2	730	10.6
Adams	1	4.0	1	4.0	0	-	0	-
Asotin	1	14.1	1	13.9		-	1	14.1
Benton	20	8.0	20	8.0	1	0.4	3	1.2
Kennewick	2	2.7	2	2.7	0	-	1	1.4
Richland	16	10.3	16	10.2	1	0.6	2	1.3
Chelan	16	13.3	19	15.6	3	2.5	5	4.2
Wenatchee	13	12.6	16	15.4	3	2.9	5	4.9
Clallam	6	7.5	8	9.9	2	2.5	4	5.0
Port Angeles	4	5.9	6	8.8	2	3.0	3	4.4
Clark	13	5.5	20	8.4	7	2.9	19	8.0
Vancouver	12	5.1	19	8.0	7	3.0	17	7.2
Columbia	1	27.8	1	27.0	0	-	0	-
Cowlitz	8	5.5	11	7.5	3	2.0	4	2.7
Longview	8	5.5	11	7.5	3	2.1	4	2.7
Douglas	0	-	0	-	0	-	0	-
Ferry	0	-	1	13.9	1	13.9	2	27.8
Franklin	7	13.0	8	14.7	1	1.9	3	5.6
Pasco	7	13.0	8	14.7	1	1.9	3	5.6
Garfield	0	-	0	-	0	-	0	-
Grant	8	10.5	11	14.3	3	3.9	9	11.8
Moses Lake	4	8.5	7	14.8	3	6.4	3	6.4
Grays Harbor	7	9.6	7	9.5	0	-	6	8.2
Aberdeen	7	11.1	7	11.0	0	-	4	6.4
Island	4	6.1	4	6.0	0	-	3	4.6
Oak Harbor	3	7.5	3	7.4	0	-	1	2.5
Jefferson	3	14.6	3	14.4	0	-	0	-
King	142	6.9	294	14.1	186	9.0	273	13.2
Auburn	3	4.5	3	4.5	0	-	3	4.5
Bellevue	9	4.6	11	5.6	2	1.0	6	3.1
Kent	0	-	0	-	0	-	3	375.0
Kirkland	8	8.9	11	12.1	3	3.3	5	5.6
Mercer Island	0	-	0	-	0	-	1	500.0
Redmond	8	4.1	10	5.2	2	1.0	2	1.0
Renton	9	4.5	12	5.9	4	2.0	7	3.5
Seattle	102	7.9	242	18.7	173	13.5	232	18.0
Kitsap	15	6.6	18	7.8	5	2.2	22	9.6
Bremerton	15	6.7	18	8.0	3	1.3	13	5.8
Kittitas	3	10.0	3	9.9	0	-	3	10.0
Ellensburg	3	10.6	3	10.5	0	-	3	10.6
Klickitat	4	14.1	5	17.4	2	7.1	4	14.1
Lewis	7	7.7	11	12.0	4	4.4	8	8.8
Centralia	2	4.0	4	8.0	2	4.0	2	4.0
Lincoln	0	-	0	-	0	-	0	-
Mason	3	10.9	4	14.4	1	3.6	2	7.3
Okanogan	4	6.6	5	7.9	1	1.6	3	4.8
Pacific	1	6.3	2	12.6	1	6.3	3	19.0
Pend Oreille	0	-	0	-	0	-	0	-
Pierce	71	7.2	158	15.9	101	10.3	155	15.7
Puyallup	11	8.1	16	11.7	6	4.4	11	8.1
Tacoma	60	7.2	142	16.9	94	11.2	137	16.4
San Juan	0	-	0	-	0	-	0	-
Skagit	13	9.1	18	12.5	6	4.2	7	4.9
Mount Vernon	6	5.9	10	9.8	5	4.9	5	4.9
Skamania	0	-	0	-	0	-	0	-
Snohomish	22	4.9	29	6.4	8	1.8	24	5.3
Edmonds	11	6.6	13	7.7	2	1.2	4	2.4
Everett	10	4.4	14	6.2	5	2.2	15	6.6
Spokane	46	7.0	103	15.5	74	11.2	105	15.9
Spokane (city)	43	7.0	100	16.1	72	11.7	100	16.3
Stevens	1	2.5	1	2.5	0	-	4	10.0
Thurston	10	4.4	12	5.3	2	0.9	10	4.4
Lacey	0	-	0	-	0	-	1	111.1
Olympia	10	4.4	12	5.3	2	0.9	9	4.0
Wahkiakum	0	-	0	-	0	-	1	-
Walla Walla	8	8.5	9	9.4	2	2.1	6	6.3
Walla Walla (city)	8	8.5	9	9.5	2	2.1	5	5.3
Whatcom	21	13.5	21	13.3	0	-	6	3.8
Bellingham	19	12.3	19	12.2	0	-	3	1.9
Whitman	1	1.6	1	1.6	0	-	2	3.1
Pullman	1	1.9	1	1.9	0	-	2	3.8
Yakima	29	8.3	45	12.8	17	4.9	33	9.5
Yakima (city)	23	9.8	34	14.3	12	5.1	24	10.2

1/ Ratio per 1,000 livebirths
2/ Fetal deaths plus liveborn infants dying at 6 days and under
3/ Rate per 1,000 livebirths plus fetal deaths
4/ Rate per 1,000 livebirths

TABLE 33

RESIDENCE FETAL MORTALITY BY SEX AND WEIGHT, WASHINGTON STATE 1981

Gram Weight	Total	Male	Female	Sex Unknown
TOTAL	489	270	212	7
1,000 grams or less	137	83	50	4
1,001 - 1,500	39	17	22	0
1,501 - 2,000	35	19	16	0
2,001 - 2,500	41	20	21	0
2,501 - 3,000	32	15	16	1
3,001 - 3,500	43	26	17	0
3,501 - 4,000	22	15	7	0
4,001 - 4,500	12	6	6	0
4,501 and Over	12	6	6	0
Not Stated	116	63	51	2

TABLE 34

FETAL MORTALITY BY CAUSE, WASHINGTON STATE, 1981

Cause with International List Number	Number
TOTAL ALL CAUSES	489
Congenital Anomalies	38
Anencephalus (740)	17
Spina Bifida (741)	2
Hydrocephalus and Encephalomyelocele (742)	1
Anomalies of the Heart (746)	4
Anomalies of Respiratory System (748)	1
Anomalies of Digestive System (750-751)	0
Anomalies of Musculoskeletal System (755-756)	0
Chromosomal Anomalies (758)	2
Other and Unspecified Congenital Anomalies (747,749,752-754,759)	11
Certain Causes of Perinatal Morbidity and Mortality (760-779)	448
Maternal Conditions Which May be Unrelated to Pregnancy (760)	16
Chronic Hypertension (7600)	9
Maternal Infections (7602)	2
Maternal Injury (7605)	3
Other Maternal Conditions (7603-7604, 7606-7609)	2
Maternal Conditions Related to Pregnancy (761)	30
Incompetent cervix (7610)	6
Premature rupture of membranes (7611)	18
Other Maternal Conditions (7612-7619)	6
Complications of Placenta, Cord, and Membranes (762)	194
Complications of Placenta (7620)-7623)	104
Complications of Cord (7624-7626)	81
Complications of Membranes (7627-7629)	9
Difficulties of Labor (763)	8
Intrauterine Hypoxia (768)	21
Other Complications of Pregnancy and Childbirth (764-765)	25
Disease of the Fetus and Ill-defined Causes (770-779)	154
Respiratory Conditions (770)	1
Infections Specific to the Perinatal Period (771)	2
Fetal Hemorrhage (772)	1
Haemolytic Disease (773)	4
Infant of Diabetic Mother (7750)	6
Other Conditions of Fetus (776-779)	140
All Other Causes (001-739,780-799)	3

TABLE 35

INFANT MORTALITY BY RACE BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Total	White	Black	Mexican/ Chicano	Indian	Japanese	Chinese	Filipino	Other Asian	Unk.
STATE TOTAL	731	613	44	14	30	1	1	5	22	1
Adams	1	1								
Asotin	2	2								
Benton	17	16								
Kennewick	7	7								
Richland	7	6								
Chelan	5	5								
Wenatchee	4	4								
Clallam	4	3								
Port Angeles	3	2								
Clark	39	39								
Vancouver	20	20								
Columbia	0									
Cowlitz	9	8							1	
Kelso	0									
Longview	6	5							1	
Douglas	2	1		1						
Ferry	2	1			1					
Franklin	4	1		3						
Pasco	4	1		3						
Garfield	0									
Grant	13	11		2						
Moses Lake	0									
Grays Harbor	19	17	1						1	
Aberdeen	8	7	1							
Island	6	6								
Oak Harbor	3	3								
Jefferson	0									
King	186	148	19		5	1		3	10	
Auburn	6	6								
Bellevue	7	7								
Kent	5	4				1				
Kirkland	6	5							1	
Mercer Island	1	1								
Redmond	6	5							1	
Renton	7	4	1						2	
Seattle	89	62	17		5			2	3	
Kitsap	39	35	2		2					
Bremerton	13	11	1		1					
Kittitas	3	3								
Ellensburg	2	2								
Klickitat	6	6								
Lewis	14	13		1						
Centralia	3	3								
Mason	2	2								
Okanogan	6	3			2				1	
Pacific	4	4								
Pend Oreille	1	1								
Pierce	129	102	16		6			1	4	
Puyallup	7	6			1					
Tacoma	61	48	9		3				1	
San Juan	1	1								
Skagit	8	8								
Mount Vernon	3	3								
Skamania	0									
Snohomish	62	55	1		2			1	3	
Edmonds	6	6								
Everett	13	9	1						3	
Lynnwood	6	5								
Mountlake Terrace	1	1								
Spokane	56	50	3		1		1			1
Spokane (city)	33	29	3							1
Stevens	8	6								
Thurston	22	22								
Lacey	2	2								
Olympia	4	4								
Wahkiakum	1	1								
Walla Walla	8	8								
Walla Walla (city)	7	7								
Whatcom	15	11	1		3					
Bellingham	11	8	1		2					
Whitman	4	4								
Pullman	4	4								
Yakima	32	18	1	7	6					
Yakima (city)	10	9	1							

TABLE 36

INFANT MORTALITY BY MOTHER'S AGE GROUP BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	All Ages	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over
STATE TOTAL	776	4	116	275	195	91	33	8	1
Adams	0								
Asotin	0								
Benton	17		2	3	8	2	2		
Kennewick	6			1	4	1			
Richland	5			1	1	1	2		
Chelan	3			1	2				
Wenatchee	2				2				
Clallam	4			1	3				
Port Angeles	3				3				
Clark	34		8	17	4	3	1		1
Vancouver	16		4	9	1	2			
Columbia	0								
Cowlitz	8			6	1		1		
Kelso	0								
Longview	6			5	1				
Douglas	4		2		1	1			
Ferry	2			1	1				
Franklin	3			2				1	
Pasco	3			2				1	
Garfield	0								
Grant	12		4	3	5				
Moses Lake	1				1				
Grays Harbor	20		4	9	2	5			
Aberdeen	7			3	1	3			
Island	6				4	2			
Oak Harbor	2				2				
Jefferson	0								
King	170	1	17	52	53	35	12		
Auburn	5		1	2		2			
Bellevue	5		1	1	1	2			
Kent	4		3	1					
Kirkland	3				2		1		
Mercer Island	1					1			
Redmond	6			1	2	2	1		
Renton	9			3	4	2			
Seattle	74	1	7	28	21	10	7		
Kitsap	36	1	9	13	10	3			
Bremerton	12		3	5	3	1			
Kittitas	3		1	1	1				
Klickitat	5		1	1	2		1		
Lewis	16		2	6	4	2	1	1	
Centralia	1				1				
Lincoln	1				1				
Mason	3			1	2				
Okanogan	5		2	1	2				
Pacific	3			3					
Pend Oreille	1						1		
Pierce	126		16	58	35	12	2	1	
Puyallup	7		1	3	1	2			
Tacoma	54		9	20	16	5	1	1	
San Juan	0								
Skagit	9		2	3	4				
Anacortes	1				1				
Skamania	0								
Snohomish	63		8	23	19	8	4	1	
Edmonds	7			3	1	2		1	
Everett	16		2	9	3	1	1		
Lynnwood	8		2	3	1	2			
Mountlake Terrace	1				1				
Spokane	60	1	14	20	11	9	5		
Spokane (city)	35	1	9	11	5	7	2		
Stevens	7			4	2	1			
Thurston	20	1	3	9	1	3	1	2	
Lacey	1			1					
Olympia	4			3		1			
Wahkiakum	1		1						
Walla Walla	7		1	2	3	1			
Walla Walla (city)	6			2	3	1			
Whatcom	17		4	7	4	2			
Bellingham	12		4	5	2	1			
Whitman	4			2	2				
Pullman	2				2				
Yakima	36		11	16	5	2	1	1	
Yakima (city)	7		4	1	2				

TABLE 37

INFANT MORTALITY BY AGE AND SEX BY CAUSE, WASHINGTON STATE 1981

Cause and International List Number	Total M	Total F	Total U	Under 1 Day M	Under 1 Day F	Under 1 Day U	1 Day Under 7 Days M	1 Day Under 7 Days F	1 Day Under 7 Days U	7 Days Under 28 Days M	7 Days Under 28 Days F	7 Days Under 28 Days U	28 Days Under 3 Mo. M	28 Days Under 3 Mo. F	28 Days Under 3 Mo. U	3 Mo. Under 6 Mo. M	3 Mo. Under 6 Mo. F	3 Mo. Under 6 Mo. U	6 Mo. Under 9 Mo. M	6 Mo. Under 9 Mo. F	6 Mo. Under 9 Mo. U	9 Mo. Under 12 Mo. M	9 Mo. Under 12 Mo. F	9 Mo. Under 12 Mo. U
TOTAL ALL CAUSES	429	301	1	129	103	1	74	55		46	32		82	50		61	40		24	11		13	10	
All infective and parasitic diseases (000-139)	4	2											2	1			1		1			1		
Malignant neoplasms (140-208)		1																					1	
Meningitis (320,322)	3						1									1			1					
Pneumonia (480-486)	7	4								1			2	3		3	1		1					
Other diseases of respiratory system (510-519)	4	4			1			1						2		2			1			1		
Hernia and intestinal obstruction (550-553, 560)	3			1			2																	
Congenital malformations (740-759)	96	80	1	34	31	1	20	17		15	9		11	7		11	9		2	4		3	3	
Anencephalus (740)	7	6		4	6		2						1											
Spina bifida and meningocele (741)		1												1										
Other central nervous system malformations (742)	9	5		1	2		1	2		2			3	1		2								
Anomalies of the heart (745-746)	25	24		1	3		6	4		9	5		3	1		5	6		1	3			2	
Other anomalies of circulatory system (747)	7	4					3	3		2	1		2											
Anomalies of the respiratory system (748)	12	8		7	5		2	1			2		1			1						1		
Anomalies of the digestive system (751)	2	2												1		1				1		1		
Anomalies of the genito-urinary system (752-753)	13	5		9	4		3							1		1								
Other congenital malformations (749-750,756-759)	20	25	1	12	11	1	3	7		2	1			2		1	3		1			1	1	
Certain diseases of early infancy (760-779)	180	130		93	70		50	37		24	17		9	5		3						1	1	
Maternal diseases affecting child (760)	2	1		2				1																
Complications of pregnancy affecting child (761-762)	20	8		18	7		2	1																
Birth injuries (763,767-769)	86	53		32	24		30	18		15	9		7	2		2								
Other diseases peculiar to early infancy (765, 770-779)	72	68		41	39		18	17		9	8		2	3		1						1	1	
Sudden infant death syndrome (7980)	103	55								3	4		53	25		35	24		11	1		1	1	
All other diseases (residual)	15	13			1		1			2	1		3	5		3	2		5	2		1	2	
All accidents (E800-E949)	12	9		1						1			1	2		3	2		2	4		4	1	
Motor vehicle accidents (E810-E825,E9290)	1	1														1				1				
Inhalation of food or other object causing obstruction or suffocation (E911,E912)	5	1								1			1			2	1		1					
Mechanical suffocation in bed or cradle and in other and unspecified circumstances (E913)	1	2												1					1				1	
All other accidents (residual)	5	5		1										1			1			3		4		
Homicide (E963-E968)	2	3									1		1				1					1	1	
Injury undetermined whether accidentally or purposely inflicted (E988)	0	0																						

TABLE 38

INFANT MORTALITY BY LEADING CAUSES, BY PLACE OF RESIDENCE, WASHINGTON STATE 1981

County and City	Total All Causes	Birth Injuries	Other Causes of Mortality in Early Infancy	Congenital Malformations	Influenza and Pneumonia	All Accidents	Sudden Infant Death	All Other Causes
STATE TOTAL	731	139	171	177	11	21	158	54
Adams	1	1						
Asotin	2		1				1	
Benton	17	5	3	6			1	2
Kennewick	7	2	2	2				1
Richland	7	2		3			1	1
Chelan	5	2		1		1	1	
Wenatchee	4	1		1		1	1	
Clallam	4		3				1	
Port Angeles	3		3					
Clark	39	9	11	9			8	2
Vancouver	20	6	4	4			5	1
Columbia	0							
Cowlitz	9		3	4			1	1
Kelso	0							
Longview	6		2	2			1	1
Douglas	2		1	1				
Ferry	2						1	1
Franklin	4		2	2				
Pasco	4		2	2				
Garfield	0							
Grant	12	1	3	3		1	4	1
Moses Lake	0							
Grays Harbor	19	5	3	5			4	2
Aberdeen	8	4	1	2			1	
Island	6		3	3				
Oak Harbor	3		1	2				
Jefferson	0							
King	186	44	49	39	1	5	38	10
Auburn	6	1	2	1			1	1
Bellevue	7	1	1	4			1	
Kent	5	2	1	2				
Kirkland	6	4				1	1	
Mercer Island	1						1	
Redmond	6		2	4				
Renton	7	2	2			2	1	
Seattle	89	17	27	15	1	2	21	6
Kitsap	39	6	8	9	3		12	1
Bremerton	13	3	2	2	1		4	1
Kittitas	3			1			2	
Klickitat	6	1	1	1			3	
Lewis	14	3	5	4	1		1	
Centralia	3	1		2				
Mason	2			1			1	
Okanogan	6	1	1	2			2	
Pacific	4			2		1	1	
Pend Oreille	1	1						
Pierce	129	22	34	28	2	7	24	12
Puyallup	7	2		4		1		
Tacoma	61	9	18	10	1	2	11	10
San Juan	1			1				
Skagit	8	2	2	2			1	1
Mount Vernon	3	1	2					
Skamania	0							
Snohomish	62	9	12	17	1	3	13	7
Edmonds	6	1	1	2			1	1
Everett	13	1	4	2			4	2
Lynnwood	6	1	2	2				1
Mountlake Terrace	1		1					
Spokane	56	13	10	15		1	13	4
Spokane (city)	33	10	5	8		1	8	1
Stevens	8	2	1	1			3	1
Thurston	22	4	5	6	1	1	4	1
Lacey	2			1	1			
Olympia	4			2			2	
Wahkiakum	1						1	
Walla Walla	8			4	1		2	1
Walla Walla (city)	7			3	1		2	1
Whatcom	15	2	2	3			6	2
Bellingham	11	2	2	3			2	2
Whitman	4	2					1	1
Pullman	4	2					1	1
Yakima	32	4	8	6	1	1	8	4
Yakima (city)	10	1	1	2			5	1

MARRIAGES AND DISSOLUTIONS

TABLE 39

MARRIAGES BY COUNTY OF MARRIAGE BY BRIDE AND GROOM AGE GROUP, WASHINGTON STATE 1981

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Other & Unk
STATE TOTAL	Bride	49,973	18	8,406	17,332	10,231	5,897	3,132	1,732	1,054	707	467	350	309	156	73	27	5	77
	Groom	49,973	5	2,884	16,059	12,225	7,387	3,925	2,399	1,643	1,107	830	515	411	236	146	66	30	105
Adams	Bride	127		39	50	13	14	2	2		3	1			1		1		1
	Groom	127		13	60	18	12	10	3	3	2	2		1		1	1		1
Asotin	Bride	196		35	64	32	29	13	6	5	5		4		2				1
	Groom	196		17	53	51	27	15	5	10	5	7	3		1	1			1
Benton	Bride	1,419	1	287	528	260	149	75	42	24	23	4	3	9	5	1			2
	Groom	1,419		101	444	387	201	114	53	42	35	12	6	16	5	2			1
Chelan	Bride	654	1	120	217	107	87	43	27	16	9	5	10	7	2	2	1		
	Groom	654		45	224	155	75	44	32	22	14	12	12	8	4	4	1	2	
Clallam	Bride	568		127	170	117	52	47	23	7	6	8	1	7	1	2			
	Groom	568		42	186	123	86	46	25	16	11	14	9	7	2		1		
Clark	Bride	5,123		804	1,464	1,036	723	405	254	162	94	84	45	28	12	9	2		1
	Groom	5,123		263	1,368	1,143	796	485	360	241	161	124	70	54	32	12	7	2	5
Columbia	Bride	35		7	10	5	2	8	1		1			1					
	Groom	35		3	12	5	4	3	3	3		1			1				
Cowlitz	Bride	1,008		233	328	165	120	60	43	21	7	12	2	12	4	1			
	Groom	1,008		83	343	208	146	76	43	41	21	15	12	9	4	3	1		3
Douglas	Bride	166		36	55	19	20	10	9	6	5	3				2	1		
	Groom	166		8	56	35	18	15	11	7	6	6		1		2	1		
Ferry	Bride	62		13	14	15	8	5	4	1	1	1							
	Groom	62		5	16	11	16	4	3	2	3	1		1					

TABLE 39

MARRIAGES BY COUNTY OF MARRIAGE BY BRIDE AND GROOM AGE GROUP, WASHINGTON STATE 1981 (CONT)

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Other & Unk
Franklin	Bride	311		63	131	49	24	15	5	3	3	5	1	6	4				2
	Groom	311		25	114	73	40	16	14	3	6	5	4	3	3	1			4
Garfield	Bride	37		12	10	7	4		1		2						1		
	Groom	37		4	10	12	2	4	2	1			1				1		
Grant	Bride	463	1	134	157	58	29	35	18	8	3	7	2	10				1	
	Groom	463		57	175	97	40	24	19	13	11	8	4	7	4	2		1	1
Grays Harbor	Bride	832		166	289	161	85	36	28	27	13	9	6	8	3				1
	Groom	832		54	264	198	121	66	34	36	18	15	9	10	3	3			1
Island	Bride	522		108	161	122	59	32	11	15		4	7	1	2				
	Groom	522		34	176	144	83	36	14	12	5	6	6	5		1			
Jefferson	Bride	210		29	55	41	39	20	9	3	5		5	2		1			1
	Groom	210		13	41	46	41	28	18	3	4	4	5	5		2			
King	Bride	14,670	6	1,671	5,261	3,434	1,916	969	504	282	216	142	96	72	37	12	8		44
	Groom	14,670	3	531	4,260	4,018	2,374	1,255	706	503	324	255	165	88	65	41	13	7	62
Kitsap	Bride	1,805	1	378	599	377	200	108	58	25	20	6	6	13	4	5			5
	Groom	1,805		115	698	401	263	113	79	42	26	25	13	9	8	3	4		6
Kittitas	Bride	223		34	77	58	27	12	4	4	4		1	1	1				
	Groom	223		14	59	63	42	22	8	3	2	3	6	1					
Klickitat	Bride	261		64	74	41	30	20	9	5	4	3	7	4					
	Groom	261		25	69	59	44	18	15	7	5	5	4	2	4	2		1	1

TABLE 39

MARRIAGES BY COUNTY OF MARRIAGE BY BRIDE AND GROOM AGE GROUP, WASHINGTON STATE 1981 (CONT)

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Other & Unk
Lewis	Bride	711		196	236	115	56	32	30	12	6	10	5	6	4	3			
	Groom	711		77	237	167	83	36	33	23	19	7	12	5	4	4	3		1
Lincoln	Bride	88		21	37	14	8	3	3						1	1			
	Groom	88		2	41	24	8	3	4	2		1		1	1	1			
Mason	Bride	328		70	98	63	34	29	7	13	7	4	1	1		1			
	Groom	328		25	97	68	56	25	20	11	10	8	3	2	1	1		1	
Okanogan	Bride	368		69	107	75	43	29	9	13	10	5	2	3	1	1			1
	Groom	368	1	22	100	89	57	26	19	14	18	9	5	4		1	1	1	1
Pacific	Bride	271		46	79	44	37	19	14	14	3	1	2	6	4	1		1	
	Groom	271		19	74	63	38	25	14	7	9	4	5	5	2	4	2		
Pend Oreille	Bride	88		16	38	15	4	6	6	2	1								
	Groom	88		6	27	24	14	6	2	1	4	2	1						1
Pierce	Bride	6,024	3	1,206	2,252	1,148	619	310	182	95	70	37	37	28	19	8	4	2	4
	Groom	6,024		418	2,387	1,324	789	408	236	134	115	73	45	37	28	14	8	4	4
San Juan	Bride	159		6	40	48	34	16	3	6	2	1	1	2					
	Groom	159		4	22	39	43	23	8	8	3	4	2	1	1	1			
Skagit	Bride	906	1	190	288	179	105	50	19	20	22	7	10	8	4	1	1		1
	Groom	906		70	295	206	133	58	52	27	19	20	6	10	4	3	2	1	
Skamania	Bride	180		31	55	24	24	11	7	8	1	3	7	4	4			1	
	Groom	180		14	47	44	21	17	9	3	4	4	5	2	6	1	2		1

TABLE 39

MARRIAGES BY COUNTY OF MARRIAGE BY BRIDE AND GROOM AGE GROUP, WASHINGTON STATE 1981 (CONT)

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Other & Unk
Snohomish	Bride	3,479		600	1,249	689	391	222	118	71	49	33	17	17	11	5	2		5
	Groom	3,479	1	182	1,129	858	528	276	178	115	72	48	28	30	11	9	4	3	7
Spokane	Bride	3,214	1	534	1,259	643	352	170	78	62	36	14	23	18	11	5	1		7
	Groom	3,214		182	1,169	790	435	219	134	105	59	42	26	21	15	9	6	1	1
Stevens	Bride	223		47	82	46	19	14	6	4	1	2	1	1					
	Groom	223		22	73	51	31	19	11	5	6	3			1	1			
Thurston	Bride	1,382	1	261	430	283	168	91	53	33	23	12	9	7	5	4	1		1
	Groom	1,382		100	418	323	197	113	75	52	37	32	12	10	6	3	2	2	
Wahkiakum	Bride	38		4	15	7	3	2		1	1	1	1	2		1			
	Groom	38		1	12	7	7	4	1		1	3		2					
Walla Walla	Bride	625	1	114	202	105	69	35	36	23	14	8	9	6	2		1		
	Groom	625		39	194	133	99	55	25	20	20	8	11	11	4	3	1		2
Whatcom	Bride	1,081	1	176	392	228	127	58	30	16	14	12	5	9	6	5	2		
	Groom	1,081		60	335	295	168	72	38	34	22	20	5	18	5	6	1	2	
Whitman	Bride	261		36	120	59	19	10	5	3	4	2	3						
	Groom	261		14	115	65	26	15	9	7	2	3	2	1	1	1			
Yakima	Bride	1,855		423	639	329	168	110	68	44	19	21	15	10	6	2	1		
	Groom	1,855		175	659	408	223	131	84	65	28	19	18	24	10	4	4	2	1

TABLE 40

DISSOLUTIONS, ANNULMENTS, AND SEPARATE MAINTENANCE BY COUNTY OF DECREE, WASHINGTON STATE, 1981

County of Decree	Total	Dissolution	Annulment	Not Stated
STATE TOTAL	29,755	29,511	172	72
Adams	61	61		
Asotin	111	110	1	
Benton	689	682	3	4
Chelan	459	459		
Clallam	350	349	1	
Clark	1,511	1,476	7	28
Columbia	31	31		
Cowlitz	694	691	3	
Douglas	59	57		2
Ferry	34	27		7
Franklin	376	374	2	
Garfield	5	5		
Grant	321	321		
Grays Harbor	521	516	3	2
Island	335	335		
Jefferson	131	131		
King	8,796	8,747	35	14
Kitsap	960	959	1	
Kittitas	115	113	2	
Klickitat	104	104		
Lewis	447	445	2	
Lincoln	57	57		
Mason	148	144	4	
Okanogan	161	161		
Pacific	132	132		
Pend Oreille	25	24		1
Pierce	4,095	4,054	40	1
San Juan	52	52		
Skagit	515	509	5	1
Skamania	48	47	1	
Snohomish	2,437	2,421	16	
Spokane	2,640	2,617	11	12
Stevens	175	172	3	
Thurston	991	990	1	
Wahkiakum	9	9		
Walla Walla	296	291	5	
Whatcom	639	636	3	
Whitman	135	135		
Yakima	1,090	1,067	23	

TABLE 41

DISSOLUTIONS BY TOTAL LIVING CHILDREN BY PLACE OF RESIDENCE, WASHINGTON STATE, 1981

County of Decree	Total	Number of Children 0	1	2	3	4	5	6	7	Eight or More	Not Stated
STATE TOTAL	29,511	10,624	5,464	4,808	1,737	672	233	92	40	30	5,811
Adams	61	27	15	11	2	1	1			1	3
Asotin	110	48	28	22	7	1			1		3
Benton	682	275	149	145	59	19	6	2			27
Chelan	459	189	114	88	25	23	3	2		1	14
Clallam	349	168	79	55	25	9	2	2		1	8
Clark	1,476	625	314	308	121	33	18	10			47
Columbia	31	15	8	5		2					1
Cowlitz	691	278	168	139	38	20	5	4	2	2	35
Douglas	57	21	12	11	6	3	1	1			2
Ferry	27	8	6	8		2					3
Franklin	374	164	82	66	38	11	4	1			8
Garfield	5	1	2	1	1						
Grant	321	118	62	56	40	10	7	2	2	1	23
Grays Harbor	516	211	98	110	26	14	7	2		1	47
Island	335	129	84	76	24	12	2	1			7
Jefferson	131	65	19	28	8	6	1	1		1	2
King	8,747	2,684	1,047	937	286	120	33	11	6	3	3,620
Kitsap	959	377	224	196	68	26	10	3	2		53
Kittitas	113	47	26	26	10	1				1	2
Klickitat	104	36	25	27	10	3	1				2
Lewis	445	152	106	105	34	23	5		1		19
Lincoln	57	20	12	13	5	2	1	1			3
Mason	144	61	31	28	12	5	4			1	2
Okanogan	161	61	37	29	11	7	3	1	1		11
Pacific	132	47	31	23	13	6	1	1			10
Pend Oreille	24	11	5	2	2	3	1				
Pierce	4,054	1,712	967	776	292	117	41	12	7	8	122
San Juan	52	25	12	11	3						1
Skagit	509	217	125	96	32	14	3		4	1	17
Skamania	47	24	8	7	3	4					1
Snohomish	2,421	510	261	189	62	24	7	1		1	1,366
Spokane	2,617	1,068	568	550	211	62	32	13	6	3	104
Stevens	172	70	35	40	15	4	1	1	1		5
Thurston	990	389	235	216	75	25	11	7	1	2	29
Wahkiakum	9	2	2	4		1					
Walla Walla	291	122	64	61	15	14	4	2			9
Whatcom	636	191	116	110	40	10	4	1	1		163
Whitman	135	61	33	23	9	2	1	2			4
Yakima	1,067	395	254	210	109	33	13	8	5	2	38

TABLE 42
DISSOLUTIONS BY COUNTY OF DIVORCE BY HUSBAND AND WIFE AGE GROUP, WASHINGTON STATE 1981

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Other & Unk
STATE TOTAL	Wife	29,511	4	539	4,689	5,882	4,780	2,990	1,809	1,039	625	366	229	114	62	17	11	6	6,349
	Husband	29,511	4	120	2,925	5,469	5,175	3,483	2,399	1,463	981	606	325	165	107	40	18	13	6,236
Adams	Wife	61		3	9	12	9	8	6	2	3	4				1			4
	Husband	61			8	8	10	14	5	5	3	2	1			1			4
Asotin	Wife	110		2	24	28	22	14	6	4	2	2	1	2	3				
	Husband	110			16	31	20	12	8	7	3	3	3		4	1	1		1
Benton	Wife	682		11	129	158	125	95	48	23	14	9	7	2	2	1			58
	Husband	682			63	164	126	111	74	35	33	9	9	4	2	2		1	49
Chelan	Wife	459		15	102	106	88	39	34	19	14	6	4	1	2				29
	Husband	459		5	71	106	92	56	40	26	15	16	4	1	1	2			24
Clallam	Wife	349		8	74	86	47	44	26	20	9	8	8	7		3	1		8
	Husband	349		1	39	94	46	42	38	25	13	22	9	3	5	1	2		9
Clark	Wife	1,476	1	30	250	346	300	223	122	81	33	18	14	3	6	2	1		46
	Husband	1,476		4	152	298	333	229	168	112	56	47	15	14	4	2	2	2	38
Columbia	Wife	31		1	5	6	4	6	2	1		2		1					3
	Husband	31		2	5	6	4	7	2		1	1	2	1					
Cowlitz	Wife	691		28	146	174	130	59	60	36	11	13	10	3	4				17
	Husband	691		4	92	173	142	92	71	44	25	11	11	3	7	2			14
Douglas	Wife	57		1	11	7	10	7	2	4	1	1	3						10
	Husband	57		1	5	10	7	5	6	4	3	2	2	1	1				10
Ferry	Wife	27				1			1			1							24
	Husband	27					1	1				1							24
Franklin	Wife	374		11	93	90	61	44	19	16	9	4	5	2	1				19
	Husband	374		2	65	88	73	42	33	14	25	5	5	3	2	1			16
Garfield	Wife	5				2		3											
	Husband	5				1	1		3										
Grant	Wife	321		10	68	60	56	32	30	12	13	7	6	3	1		1		22
	Husband	321		5	41	65	51	47	30	22	11	10	3	9	5				22
Grays Harbor	Wife	516		11	96	120	95	54	37	19	8	9	4		1	1			61
	Husband	516		2	54	100	113	62	50	33	17	8	7	4		1	1		64
Island	Wife	335		12	88	63	56	36	32	9	8	2	4	2		1			22
	Husband	335		3	70	77	59	38	34	16	8	5	5	5	1				14

TABLE 42
DISSOLUTIONS BY COUNTY OF DIVORCE BY HUSBAND AND WIFE AGE GROUP, WASHINGTON STATE 1981

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Other & Unk
Jefferson	Wife	131		2	17	18	38	21	9	2	5	7		1	1				10
	Husband	131			11	17	26	20	17	6	6	5	4	2	1				16
King	Wife	8,747	1	77	908	1,355	1,195	651	389	222	151	73	33	20	11	1	1		3,659
	Husband	8,747	1	16	504	1,194	1,247	813	532	313	238	133	64	27	15	9	1	1	3,639
Kitsap	Wife	959	1	19	198	244	170	136	71	28	16	9	13	5	1		1	1	46
	Husband	959		7	118	223	209	138	92	48	29	20	11	6	4		1	1	52
Kittitas	Wife	113		1	23	24	23	15	11	2	4	2							8
	Husband	113		2	14	21	25	17	10	8	5	3			1	1			6
Klickitat	Wife	104		2	12	29	25	14	8	8	2	1	1						2
	Husband	104			10	18	29	18	11	7	6	2		1					2
Lewis	Wife	445		19	87	76	55	48	38	20	7	2	4	3	1	1		1	73
	Husband	445		1	67	84	62	50	48	27	10	9	4	6	1	2	2		72
Lincoln	Wife	57		1	7	7	11	7	11	2	1	1	2	1					6
	Husband	57			3	8	6	10	10	4	3	3	1	1	1				7
Mason	Wife	144		2	32	32	27	16	11	7	5	7	1	1					3
	Husband	144			12	37	34	25	9	4	3	7	8	1					4
Okanogan	Wife	161		2	37	29	31	25	14	7					1				15
	Husband	161		2	23	31	30	22	19	9	8		2		1				14
Pacific	Wife	132		2	35	26	16	20	9	9	2	3		2	1				7
	Husband	132		1	15	39	20	12	17	5	8	1	2	1	2				9
Pend Oreille	Wife	24			4	2	4	4	5	1	1	2	1						
	Husband	24			2	2	5	5	3	1	2	2	1		1				
Pierce	Wife	4,054	1	86	856	942	724	469	263	164	101	62	39	15	10				322
	Husband	4,054	1	14	605	911	802	510	351	232	141	93	59	26	11	2	1	1	294
San Juan	Wife	52		1	5	12	13	9	1	4	2	1	1		1	1			2
	Husband	52			4	7	14	12	5		3	4	1		1		1		
Skagit	Wife	509		9	87	118	118	57	41	27	16	8	5	3	1	1			18
	Husband	509	1	1	55	93	112	91	56	32	19	13	7	1	4	1			23
Skamania	Wife	47		1	7	7	11	7	4	1	4	1	1	1					2
	Husband	47			4	10	12	5	3	3	2	6							2
Snohomish	Wife	2,421		26	240	283	217	140	82	41	19	13	5	1	2		1		1,351
	Husband	2,421		5	128	275	227	172	117	67	46	22	9	1	3				1,349
Spokane	Wife	2,617		72	510	676	478	303	188	92	68	45	30	16	5	1	1	3	129
	Husband	2,617		25	341	617	532	349	253	146	91	70	35	20	12	7	2	3	114

TABLE 42
DISSOLUTIONS BY COUNTY OF DIVORCE BY HUSBAND AND WIFE AGE GROUP, WASHINGTON STATE 1981

County		Total	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-99	Other & Unk
Stevens	Wife	172		11	30	29	38	15	15	10	7								17
	Husband	172		4	22	27	37	26	13	12	8	7	3		1				12
Thurston	Wife	990		20	149	244	195	116	80	45	35	15	11	3	4	2	2		69
	Husband	990		4	82	209	216	143	95	72	48	29	15	4	6	1	2	1	63
Wahkiakum	Wife	9			2	3	1	2		1									
	Husband	9				4	2	2		1									
Walla Walla	Wife	291		6	57	68	38	41	18	18	13	4	3	3				1	21
	Husband	291		1	37	57	56	43	30	19	13	10	6	2		1	2		14
Whatcom	Wife	636		6	79	118	119	65	22	26	7	10	5	3			1		175
	Husband	636			45	109	133	73	37	24	18	13	4	3	1			1	175
Whitman	Wife	135		3	25	38	28	19	9	3	3	2							5
	Husband	135		1	15	32	34	19	10	10	7			1		1			5
Yakima	Wife	1,067		28	187	243	192	126	85	53	31	12	8	10	3	2	1		86
	Husband	1,067	1	7	127	223	209	150	99	70	54	12	13	14	9	2		2	75

APPENDIX

APPENDIX A

BACKGROUND

RELIABILITY OF THE DATA

In analyzing any data, the possibility of errors in the data must not be overlooked. There are several types of possible errors, including under-registration, errors made by the informant, and errors in compilation and processing. The most potentially dangerous error, however, is probably that of improper interpretation.

Statistics are neither more true nor false than the interpretation given to them. It should be emphasized that most of the rates computed in this report are crude rates. For comparing geographic areas, crude rates are limited. They do not reflect differences in age, sex, race, and other population characteristics. In addition, it is important to recognize the possible distortion in these rates where the number of events or the population is small. Minor variations in the number of events may result in major changes in the rates. Special caution should also be exercised in analysing trend data, because of changes throughout the years in medical diagnosis, coding definitions, and registration coverage.

POPULATION

Population data in this report are an estimate of population, April 1, 1981, provided by the Office of Financial Management.

RATES

Rates are calculated by dividing the event of concern by the population at risk or a related population and multiplying by a constant. Death rates from all causes and livebirths are expressed in terms of 1,000 estimated population; deaths from a specific cause are based on 100,000 estimated population (excluding maternal and infant causes); maternal deaths are calculated per 10,000 livebirths; infant, neonatal and fetal deaths are calculated per 1,000 livebirths.

CAUSE OF DEATH CLASSIFICATION

The cause of death presented herein are classified in accordance with the Ninth Revision of the International Classification of Diseases, which the State of Washington began using January 1, 1979.

RATES AND WHOLE NUMBERS

Rates are rounded to the nearest tenth. When the rate or percent is less than one-tenth, the entry is 0.

When whole numbers are used, a blank or dash (-) indicates none or zero.

APPENDIX B

DEFINITIONS

GENERAL TERMS

BIRTH WEIGHT - Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces).

FETAL DEATH - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

GESTATIONAL PERIOD - Number of weeks elapsed between the first day of the last menstrual period and date of delivery.

INFANT DEATH - Death of an infant under one year of age.

LIVE BIRTH - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes, or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

LIVE BIRTH ORDER - Order number is equal to number of previous live births plus current birth.

MATERNAL DEATH - Death attributable to complications of pregnancy, childbirth, or the puerperium.

NEONATAL DEATH - Death of an infant within the first 27 days of life.

OCCURRENCE DATA - Data allocated by place where event occurred, regardless of the person's place of residence.

PERINATAL DEATH - Includes stillbirths and deaths to infants within the first six days of life.

PREMATURE BIRTH - A live birth weighing 2,500 grams (5-1/2 pounds) or less. If birth weight is not stated, length of gestation (under 37 weeks) is used.

RESIDENCE DATA - Data allocated by place of residence of the decedent (deaths), or by place of residence of the child's mother (births, stillbirths).

RATES

AGE-SPECIFIC DEATH RATE - Number of deaths in a specific age group per 100,000 population in that age group.

CAUSE-SPECIFIC DEATH RATE - Number of deaths from a specific cause per 100,000 population.

(CRUDE) BIRTH RATE - Number of live births per 1,000 population.

(CRUDE) DEATH RATE - Number of deaths per 1,000 population.

FERTILITY RATE - Number of live births per 1,000 women 15-44 years of age.

FETAL DEATH RATE - Number of stillbirths per 1,000 live births.

INFANT DEATH RATE - Number of infant deaths per 1,000 live births.

MATERNAL DEATH RATE - Number of maternal deaths per 10,000 live births.

NEONATAL DEATH RATE - Number of neonatal deaths per 1,000 live births.

PERINATAL DEATH RATE - Number of perinatal deaths per 1,000 live births, plus fetal deaths.

APPENDIX C

CONVERSION OF BIRTHWEIGHT GROUPS IN GRAMS
TO POUNDS AND OUNCES

GRAMWEIGHT	POUNDS AND OUNCES
1,000 grams and under	2 lbs. 3 oz. and less
1,001 - 1,500	2 lbs. 4 oz. - 3 lbs. 4 oz.
1,501 - 2,000	3 lbs. 5 oz. - 4 lbs. 6 oz.
2,001 - 2,500	4 lbs. 7 oz. - 5 lbs. 8 oz.
2,501 - 3,000	5 lbs. 9 oz. - 6 lbs. 9 oz.
3,001 - 3,500	6 lbs. 10 oz. - 7 lbs. 11 oz.
3,501 - 4,000	7 lbs. 12 oz. - 8 lbs. 13 oz.
4,001 - 4,500	8 lbs. 14 oz. - 9 lbs. 14 oz.
4,501 grams and over	9 lbs. 15 oz. and over

One pound = 453.59 grams

APPENDIX D

POPULATION OF THE STATE OF WASHINGTON
BY AGE GROUP, BY SEX, APRIL 1, 1981

AGE GROUP	TOTAL	MALE	FEMALE
TOTAL	4,250,123	2,113,414	2,136,709
Under 1 Yr.	68,424	35,053	33,371
1 - 4	254,201	130,031	124,169
5 - 14	624,704	320,028	304,676
15 - 24	770,387	396,870	373,517
25 - 34	787,107	397,690	389,417
35 - 44	513,631	260,547	253,084
45 - 54	396,153	197,711	198,442
55 - 64	389,276	187,543	201,734
65 - 74	273,015	124,795	148,220
75 - 84	132,171	50,790	81,380
85 and over	41,054	12,356	28,699

APPENDIX E

POPULATION, STATE OF WASHINGTON, COUNTIES AND CITIES OF 10,000 POPULATION AND OVER, APRIL 1, 1981

Adams		13,100	Kittitas		25,100
Asotin		17,000	Ellensburg	11,900	
Benton		113,400	Klickitat		16,200
Kennewick	34,700		Lewis		56,700
Richland	33,700		Centralia	12,000	
Chelan		46,200	Lincoln		9,600
Wenatchee	17,300		Mason		31,900
Clallam		52,500	Okanogan		30,900
Port Angeles	17,300		Pacific		17,800
Clark		195,800	Pend Oreille		8,800
Vancouver	42,600		Pierce		501,300
Columbia		4,000	Puyallup	18,200	
Cowlitz		80,500	Tacoma	159,800	
Kelso	11,150		San Juan		8,100
Longview	31,100		Skagit		64,900
Douglas		22,800	Mt. Vernon	13,300	
Ferry		6,000	Skamania		8,100
Franklin		36,700	Snohomish		353,400
Pasco	18,700		Edmonds	28,300	
Garfield		2,400	Everett	56,000	
Grant		48,600	Lynnwood	23,700	
Moses Lake	10,400		Mountlake Terrace	16,200	
Grays Harbor		66,800	Spokane		347,600
Aberdeen	18,700		Spokane (city)	171,200	
			Stevens		29,500
Island		45,200	Thurston		129,100
Oak Harbor	12,317		Lacey	14,200	
Jefferson		16,600	Olympia	27,600	
King		1,309,723	Wahkiakum		3,800
Auburn	27,800		Walla Walla		47,900
Bellevue	75,500		Walla Walla (city)	25,400	
Kent	23,400		Whatcom		109,900
Kirkland	19,000		Bellingham	46,400	
Mercer Island	21,400		Whitman		40,400
Redmond	24,600		Pullman	23,800	
Renton	32,200		Yakima		175,000
Seattle	492,200		Yakima (city)	49,800	
Kitsap		156,800			
Bremerton	37,000		STATE TOTAL		4,250,123